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The Institution of Mechanical Engineers.

ESTABLISHED 1847.

LIST OF MEMBERS.

16th MARCH 1904.

ARTICLES AND BY-LAWS.

The Institution of Mechanical Engineers.

ESTABLISHED 1847.

LIST OF MEMBERS, &c.

16th MARCH 1904.

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The Institution of Mechanical Engineers.

PAST-PRESIDENTS.

GEORGE STEPHENSON, 1847-48. (*Deceased* 1848.)

ROBERT STEPHENSON, F.R.S., 1849-53. (*Deceased* 1859.)

SIR WILLIAM FAIRBAIRN, BART., LL.D., F.R.S., 1854-55. (*Deceased* 1874.)

SIR JOSEPH WHITWORTH, BART., D.C.L., LL.D., F.R.S., 1856-57, 1866. (*Deceased* 1887.)

JOHN PENN, F.R.S., 1858-59, 1867-68. (*Deceased* 1878.)

JAMES KENNEDY, 1860. (*Deceased* 1886.)

THE RIGHT HON. LORD ARMSTRONG, C.B., D.C.L., LL.D., F.R.S., 1861-62, 1869. (*Deceased* 1900.)

ROBERT NAPIER, 1863-65. (*Deceased* 1876.)

JOHN RAMSBOTTOM, 1870-71. (*Deceased* 1897.)

SIR WILLIAM SIEMENS, D.C.L., LL.D., F.R.S., 1872-73. (*Deceased* 1883.)

SIR FREDERICK J. BRAMWELL, BART., D.C.L., LL.D., F.R.S., 1874-75. (*Deceased* 1903.)

THOMAS HAWKSLEY, F.R.S., 1876-77. (*Deceased* 1893.)

JOHN ROBINSON, 1878-79. (*Deceased* 1902.)

EDWARD A. COWPER, 1880-81. (*Deceased* 1893.)

PERCY G. B. WESTMACOTT, 1882-83.

SIR LOWTHIAN BELL, BART., LL.D., F.R.S., 1884.

JEREMIAH HEAD, 1885-86. (*Deceased* 1899.)

SIR EDWARD H. CARBUTT, BART., 1887-88.

CHARLES COCHRANE, 1889. (*Deceased* 1898.)

JOSEPH TOMLINSON, 1890-91. (*Deceased* 1894.)

SIR WILLIAM ANDERSON, K.C.B., D.C.L., F.R.S., 1892-93. (*Deceased* 1898.)

PROFESSOR ALEXANDER B. W. KENNEDY, LL.D., F.R.S., 1894-95.

E. WINDSOR RICHARDS, 1896-97.

SAMUEL WAITE JOHNSON, 1898.

SIR WILLIAM H. WHITE, K.C.B., LL.D., D.Sc., F.R.S., 1899-1900.

WILLIAM H. MAW, 1901-02.

The Institution of Mechanical Engineers.

OFFICERS.

1904.

PRESIDENT.

J. HARTLEY WICKSTEED, Leeds.

PAST-PRESIDENTS.

SIR LOWTHIAN BELL, BART., LL.D., F.R.S.,	Northallerton.
SIR EDWARD H. CARBUTT, BART.,	London.
SAMUEL WAITE JOHNSON,	Nottingham.
PROFESSOR ALEXANDER B. W. KENNEDY, LL.D., F.R.S.,	London.
WILLIAM H. MAW,	London.
E. WINDSOR RICHARDS,	Caerleon.
PERCY G. B. WESTMACOTT,	Ascot.
SIR WILLIAM H. WHITE, K.C.B., LL.D., D.Sc., F.R.S.,	London.

VICE-PRESIDENTS.

JOHN A. F. ASPINALL,	Manchester.
EDWARD B. ELLINGTON,	London
ARTHUR KEEN,	Birmingham.
EDWARD P. MARTIN,	Dowlais.
T. HURRY RICHES,	Cardiff.
A. TANNETT-WALKER,	Leeds.

MEMBERS OF COUNCIL.

SIR BENJAMIN BAKER, K.C.B., K.C.M.G., LL.D., D.Sc., F.R.S.,	London.
SIR J. WOLFE BARRY, K.C.B., LL.D., F.R.S.,	London.
HENRY CHAPMAN,	London.
HENRY DAVEY,	London.
WILLIAM DEAN,	Folkestone.
H. GRAHAM HARRIS,	London.
EDWARD HOPKINSON, D.Sc.,	Manchester.
HENRY A. IVATT,	Doncaster.
HENRY LEA,	Birmingham.
SIR WILLIAM T. LEWIS, BART.,	Aberdare.
MICHAEL LONGRIDGE,	Manchester.
JAMES MANSERGH, F.R.S.,	London.
HENRY D. MARSHALL,	Gainsborough.
THE EIGHT HON. WILLIAM J. PIRRIE, LL.D.,	Belfast.
SIR THOMAS RICHARDSON,	Hartlepool.
JOHN F. ROBINSON,	London.
MARK H. ROBINSON,	Rugby.
JOHN W. SPENCER,	Newcastle-on-Tyne.
SIR JOHN I. THORNCROFT, LL.D., F.R.S.,	London.
JOHN TWEEDY,	Newcastle-on-Tyne.
HENRY H. WEST,	Liverpool.

HON. TREASURER.

HARRY LEE MILLAR.

AUDITOR.

ROBERT A. MCLEAN, F.C.A.

SECRETARY.

EDGAR WORTHINGTON,

*The Institution of Mechanical Engineers,
Storey's Gate, St. James's Park, Westminster, S.W.*

Telegraphic address:—*Mech, London.* Telephone:—*Westminster, 264.*

TOTALS.

HONORARY LIFE MEMBERS	10
MEMBERS	2,335
ASSOCIATE MEMBERS	1,320
ASSOCIATES	72
GRADUATES	416
	4,153

The Institution of Mechanical Engineers.

ESTABLISHED 1847.

LIST OF MEMBERS,

WITH YEAR OF ELECTION.

[*Telegraph Address and Telephone No. appended within brackets.*]

16TH MARCH 1904.

HONORARY LIFE MEMBERS.

1890. HIS MOST GRACIOUS MAJESTY KING EDWARD THE SEVENTH.

1899. H.R.H. George, Prince of Wales, K.G., K.T., K.P., &c., York House, St. James's Palace, London, S.W.

1892. Field Marshal H.R.H. the Duke of Cambridge, K.G., K.T., K.P., G.C.B., G.C.S.I., &c., Gloucester House, Park Lane, London, W.

1878. Crawford and Balcarres, The Right Hon. the Earl of, K.T., F.R.S., 2 Cavendish Square, London, W.; Haigh Hall, Wigan; and Observatory, Dunecht, Aberdeen.

1889. Eiffel, Gustave, 37 Rue Pasquier, Paris.

1901. Kelvin, The Right Hon. Lord, G.C.V.O., O.M., D.C.L., LL.D., F.R.S., Netherhall, Largs, Ayrshire.

1883. Kennedy, Alexander Blackie William, LL.D., F.R.S., Emeritus Professor of Engineering, University College, London: 17 Victoria Street, Westminster, S.W. [*Kinematic, London.*]

1878. Rayleigh, The Right Hon. Lord, O.M., F.R.S., 4 Carlton Gardens, London, S.W.; and Terling Place, Witham, Essex.

1888. Rosse, The Right Hon. the Earl of, K.P., D.C.L., LL.D., F.R.S., Birr Castle, Parsonstown, Ireland.

1896. Unwin, William Cawthorne, F.R.S., Professor of Engineering, City and Guilds of London Central Technical College, Exhibition Road, London, S.W.; and 7 Palace Gate Mansions, Kensington, London, W.

MEMBERS.

1896. Abady, Jacques, Messrs. Alexander Wright and Co., 81 Page Street, Westminster, S.W. [*Precision, London.* Westminster 337.]

1890. Abbott, Arthur Harold, care of Messrs. Octavius Steel and Co., Calcutta, India.

1878. Abbott, Thomas, Newark Boiler Works, Newark [*Abbott, Newark.*]; and The Square, Retford.

1861. Abel, Charles Denton, Messrs. Abel and Imray, Birkbeck Bank Chambers, Southampton Buildings, London, W.C. [*Patentable, London.* Holborn 109.]

1894. Accles, William Sloane, 25 Victoria Street, Westminster, S.W. [*Niliacus, London.* Westminster 486.]

1892. Acland, Captain Francis Edward Dyke, 76 Cheapside, London, E.C. [*Onager, London.* Bank 5252.]

1897. Adams, Edwin, Messrs. Hulse and Co., Ordsall Works, Regent Bridge, Salford, Manchester; and Moorfield, Palatine Road, Withington, Manchester.

1876. Adams, Henry, 60 Queen Victoria Street, London, E.C. [*Viburnum, London.* Bank 6006.]

1902. Adams, John Henry, Locomotive Carriage and Wagon Superintendent, North Staffordshire Railway, Stoke-on-Trent.

1881. Adams, William John, 35 Queen Victoria Street, London, E.C. [*Packing, London.* Bank 38.]

1900. Adamson, Charles John, 43 Guildford Road, Greenwich, London, S.E.

1897. Adamson, Daniel, Messrs. Joseph Adamson and Co., Hyde. [*Adamson, Hyde.* Nat. Tel. 13.]

1871. Adamson, Joseph, Messrs. Joseph Adamson and Co., Hyde. [*Adamson, Hyde.* Nat. Tel. 13.]

1889. Addy, George, Waverley Works, Sheffield. [*Milling, Sheffield.* 985.]

1903. Adie, Alfred Edmond, Engineer-in-Chief, Martin group of Light Railways in Bengal; care of Messrs. Martin and Co., Jackson House, Calcutta, India.

1887. Ahmed Pasha, Rear Admiral, Engineer-in-Chief and Head of Technical Inspecting Commission, Imperial Naval Arsenal, Constantinople.

1891. Ahrbecker, Henry Conrad Vandepoel, Mort's Dock and Engineering Co., Balmain, Sydney, New South Wales.

1895. Ahrons, Ernest Leopold, Railway and General Engineering Co., Midland Engineering Works, Nottingham.

1902. Aitken, Charles Henry William, Superintending Engineer, El Varadero de Manila, Cañacao, Manila, Philippine Islands.

1900. Aitken, Hugh Wallace, 140 Bath Street, Glasgow. [*Sugarcane, Glasgow.*]

1900. Aiton, John Arthur, Western Works, Hythe Road, Willesden Junction, London, N.W. [Harlesden 88.]

1898. Akers, Charles Henry, Hacienda Chocola, Mazatenango, Guatemala.

1901. Akroyd-Stuart, Herbert, P.O. Box 50, Fremantle, Western Australia.

1885. Alderson, George Beeton, Messrs. Allen, Alderson and Co., Alexandria, Egypt; Norland House, Ramleh, Alexandria, Egypt: (or care of Messrs. Stafford Allen and Sons, 7 Cowper Street, Finsbury, London, E.C.)

1881. Alexander, Edward Disney, Milton House, Northampton.

1875. Allan, George, Bowesfield Steel Co., Stockton-on-Tees.

1885. Allcard, Harry, Messrs. Easterbrook Allcard and Co., Albert Works, Penistone Road, Sheffield.

1874. Allen, Francis, Messrs. Allen Alderson and Co., Gracechurch Street, Alexandria, Egypt: (or care of Messrs. Stafford Allen and Sons, 7 Cowper Street, Finsbury, London, E.C.)

1891. Allen, Marcus, Union Brass and Iron Works, Great Ancoats Street, and Phoenix Iron Works, Jersey Street, Manchester [*Valves, Manchester. Nat. 60.*]; and Oakdene, Knutsford.

1881. Allen, Percy Ruskin, Castner-Kellner Alkali Co., Weston Point, Runcorn; and Ferncliffe, Higher Runcorn, Cheshire.

1900. Allen, Richard William, Messrs. W. H. Allen, Son and Co., Queen's Engineering Works, Bedford. [*Pump, Bedford.*]

1885. Allen, William Henry, Messrs. W. H. Allen, Son and Co., York Street Works, Lambeth, London, S.E. [*Pump, London.*]; and Queen's Engineering Works, Bedford. [*Pump, Bedford.*]

1882. Allen, William Milward, 199 High Street, C-on-M., Manchester.

1899. Alley, Stephen Evans, Manager, Messrs. Alley and MacLellan, Sentinel Works, Polmadie Road, Glasgow; and 8 Woodside Terrace, Glasgow. [*Alley, Glasgow. Royal 673.*]

1865. Alleyne, Sir John Gay Newton, Bart., Chevin, Belper.

1884. Alleyne, Reynold Henry Newton, North Wootton, King's Lynn.

1872. Alliott, James Bingham, Messrs. Manlove Alliott and Co., Blooms Grove Works, Ilkeston Road, Nottingham. [*Manlove, Nottingham.*]

1891. Allott, Charles Sneath, 46 Brown Street, Manchester. [*Allotted, Manchester. Nat. 1952.*]

1871. Allport, Howard Aston, Dodworth Grove, Barnsley.

1884. Almond, Harry John, General Manager, La Guaira and Caracas Railway, Caracas, Venezuela: (or care of Messrs. G. and W. Almond, 67 Willow Walk, London, S.E.)

1894. Ambler, Frank, General Manager, Great Southern Brazilian Railway, Uruguayan, Brazil.

1903. Amor, Walter, Ammunition Factory, Dum-dum, near Calcutta, India.

1885. Amos, Ewart Charles, 20 Bucklersbury, Queen Victoria Street, London, E.C.; and Eastdene, Grange Road, Sutton, Surrey. [*Drilling, London.* Bank 5438.]

1891. Anderson, Alexander Southerland, Chief Mechanical Engineer, Government Saddle and Harness Factory, Cawnpore, India.

1880. Anderson, Edward William, Lesney, Warwick Road, Solihull, Birmingham.

1900. Anderson, Eugene Ernest James, Engineer, Corporation Gas Works, Middleton, Manchester.

1902. Anderson, Harry, Chief Engineer, Swanscombe Works, Swanscombe, Greenhithe, S.O., Kent.

1890. Anderson, Herbert William, Fairfield, Broom Road, Teddington, S.O., Middlesex.

1901. Anderson, John Reid, 13 Charles Street, St. James's, London, S.W.

1892. Anderson, John Wemyss, University College, Liverpool.

1902. Anderson, Percy, Signal Engineer, Signal Works, Engineer's Department, Cape Government Railways, Salt River, Cape Colony.

1891. Anderson, William, Messrs. Head Wrightson and Co., Teesdale Iron Works, Stockton-on-Tees.

1901. Andlau, William Ferdinand von, P.O. Box 51, Gibraltar.

1899. Andrew, George Edward, Engineer Lieut. R.N., H.M.S. "Formidable," Mediterranean Squadron.

1895. Andrews, Thomas, Messrs. Andrews and Baby, Welsh Wagon Works, East Moors, Cardiff. [*Wagons, Cardiff.* 693.]

1902. Andrews, Thomas, Messrs. Harland and Wolff, Belfast; and 31A Wellington Place, Belfast.

1903. Angas, Alfred Spelman, Assistant Manager, Royal Gun Factory, Woolwich; and The Nyth, Blackheath Park, London, S.E.

1893. Angas, William Moore, Jacksonville, Florida, United States: (or care of G. Douglas Angas, Newick, Bainton, Hull.)

1885. Anson, Frederick Henry, 28 Victoria Street, Westminster, S.W.

1899. Appleby, George William, care of Imperial Maritime Customs, Kowloon, Hong Kong, China.

1883. Appleby, Percy Vavasseur, London Steam Crane and Engine Works, Grafton Place, Leicester.

1901. Arakawa, Shinichiro, Consulting Engineer to Japanese Government, 330 Kitano, Osaka, Japan.

1874. Aramburu y Silva, Fernando, Almagro 32, Madrid.

1903. Arkwright, Bernard George, Sir W. G. Armstrong, Whitworth and Co., Elswick Works, Newcastle-on-Tyne.

1882. Armer, James, Messrs. John Birch and Co., 3 London Wall Buildings, London, E.C.

1902. Armes, Benjamin Stephen, Locomotive Superintendent, Sierra Leone Government Railway, Freetown, Sierra Leone, West Africa.

1894. Armour, James Glencairn, Queen Insurance Buildings, 13 Castle Street, Liverpool. [*Area, Liverpool.* 2413.]

1876. Armstrong, William, Jun., Mining Engineer, Wingate Colliery, County Durham.

1870. Armstrong, William Irving, Timber Works and Saw Mills, 17 North Bridge Street, Sunderland.

1898. Arnold, Joseph Albert, Messrs. Eastwood, Swingler and Co., Victoria and Railway Iron Works, Derby. [*Swingler, Derby.* 150.]

1897. Arnold, William, 17 Park Road, Harlesden, London, N.W.

1902. Arnot, Arthur James, Babcock and Wilcox Co., 83 Pitt Street, Sydney. New South Wales.

1894. Arnot, William, 79 West Regent Street, Glasgow. [*Induction, Glasgow.* 5341.]

1887. Arrol, Sir William, M.P., LL.D., Dalmarnock Iron Works, Glasgow.

1887. Arteaga, Alberto de, 1320 Artes, Buenos Aires, Argentine Republic: (or care of M. Raggio Carneiro, 55 and 56 Bishopsgate Street Within, London, E.C.)

1902. Asbury, George Elias, Messrs. Abbott and Co., Newark Boiler Works, Newark; and 16 Wellington Road, Newark. [*Asbury, Newark.*]

1901. Ash, Alfred Ellis, Vauxhall Iron Works, Wandsworth Road, London, S.W.; and 49 Studley Road, Clapham, London, S.W.

1873. Ashbury, Thomas (*Life Member*), 17 St. Ann's Square, Manchester; and Ash Grove, Victoria Park, Longsight, Manchester. [*Aluminium, Manchester.*]

1888. Ashby, George, Messrs. N. Wadia and Sons, Cumballa Hill, Bombay, India.

1895. Ashcroft, Andrew George, City and Guilds of London Central Institution, Exhibition Road, London, S.W.; and 1 Gainsborough Road, Bedford Park, London, W.

1889. Ashford, John, Culme, St. Catherine's, Lincoln.

1903. Ashley, Herbert, Engineer, Borough of Portsmouth Water Works, Commercial Road, Portsmouth.

1902. Ashton, Harold Thomas, D.Sc., Royal Arsenal, Woolwich.

1891. Ashworth, Henry, Brynderwen, Bwlch, R.S.O., Breconshire.

1890. Askham, John Unwin, Messrs. Askham Brothers and Wilson, Yorkshire Steel Works, Napier Street, Sheffield; and 180 Psalter Lane, Brincliffe, Sheffield.

1890. Askham, Philip Unwin, Messrs. Askham Brothers and Wilson, Yorkshire Steel Works, Napier Street, Sheffield; and 180 Psalter Lane, Brincliffe, Sheffield.

1881. Aspinall, John Audley Frederick, General Manager, Lancashire and Yorkshire Railway, Hunt's Bank, Manchester; and Gledhill, Mossley Hill Drive, Liverpool.

1891. Asplen, Bernard, Southall: (or care of W. W. Asplen, Foxton Hall, Royston, Cambridgeshire.)

1902. Astbury, Albert James, General Manager, Messrs. Thomas Astbury and Son, Smethwick Foundry, near Birmingham. [*Astbury, Birmingham. 26 Smethwick.*]

1890. Aston, John W., Messrs. Belliss and Morecom, Ledsam Street, Birmingham; and Municipal Technical School, Birmingham.

1899. Atherton, Thomas, Dallam Forge, Warrington; and Folly Lane, Warrington.

1889. Atkinson, Alexander, Lahore, Punjaub, India.

1900. Atkinson, Frederick Arthur, Managing Director, W. R. Sykes Interlocking Signal Co., Station Road, Clapham, London, S.W. [*Blockish, London. 325 Battersea.*]

1892. Atkinson, James, Benavie, Station Road, Marple, near Stockport.

1897. Atkinson, Robert Ernest, Messrs. Ashwell and Nesbit, Great Central Street, Leicester. [*Plenum, Leicester. 190.*]

1897. Atsumi, Sadamoto, 16 Kitadori-Shichome, Yedobori, Osaka, Japan.

1903. Attack, Edward Arthur, Messrs. H. Pontifex and Sons, Farringdon Works, Shoe Lane, London, E.C.

1898. Attwood, Jabez, Foster Street, Stourbridge; and Hagley Road, Stourbridge. [*Attwoods, Stourbridge.*]

1903. Auld, James Paton, Public Works Department, Old Calabar, Southern Nigeria.

1892. Ault, Edwin, 47 Victoria Street, Westminster, S.W.

1892. Austin, James Meredith, Rye Close, Kempston Road, Bedford.

1894. Aveline, William Rebotier, 21 Billiter Street, London, E.C.

1882. Aveling, Thomas Lake, Messrs. Aveling and Porter, Rochester. [*Aveling, Rochester.*]

1897. Avery, William Beilby (*Life Member*), Messrs. W. and T. Avery, Soho Foundry and Digbeth, Birmingham; and Oakley Court, Windsor.

1899. Awdry, Walter Llewellyn, 33 Union Street, Birmingham. [*1806.*]

1897. Back, Arthur Charles Lemrière, Devon and Cornwall Ice and Cold Storage Co., Plymouth.

1891. Bagshaw, Walter, Victoria Foundry, Batley. [Former Member 1872-1887.]

1899. Baguley, Ernest Edwin, Ryknield Engine Co., Burton-on-Trent.

1885. Bailey, Sir William Henry, Albion Works, Salford, Manchester [*Beacon, Salford.*]; and Sale Hall, Cheshire.

1899. Bailey, William Seybourne, 17 Praya Central, Hong Kong, China.

1901. Bailie, John David, 23 Park Row, Leeds. [*Turbo, Leeds.* 1194.]

1872. Bailly, Philimond, 10 Place Royale, Bruxelles, Belgium.

1902. Bain, David, Carriage and Wagon Superintendent, Midland Railway, Derby.

1890. Bain, George, Carriage and Wagon Works Manager, Egyptian Government Railways, Cairo, Egypt.

1880. Bain, William Neish, 40 St. Enoch Square, Glasgow; and Collingwood, 7 Aytoun Read, Pollokshields, Glasgow. [*Glacis, Glasgow.*]

1869. Bainbridge, Emerson, Nunnery Colliery Offices, New Haymarket, Sheffield; and 4 Whitehall Court, London, S.W.

1902. Baird, David George, Messrs. Baird and Todd, Talbot Engineering Works, Talbot Place, Dublin. [995.]

1898. Baister, Charles, Locomotive Department, North Eastern Railway, Gateshead.

1890. Baker, Sir Benjamin, K.C.B., K.C.M.G., LL.D., D.Sc., F.R.S. (*Life Member*), 2 Queen Square Place, Westminster, S.W.

1902. Baker, Ernest Folliott, Engineer Lieut. R.N., H.M.S. "Good Hope," care of Postmaster General, London, E.C.

1897. Baker, George Samuel, Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W. [*Mapleleaf, London.* Harlesden 3.]

1896. Baker, William Henry, Superintendent of Works, Residency Post Office, Gwalior, Central India.

1893. Baldwin, Alfred, M.P., Wilden Iron Works, Stourport.

1894. Baldwin, Arthur Hugh, Messrs. Kendall and Gent, Victoria Works, Belle Vue, Manchester. [*Tools, Manchester.* 5147.]

1903. Baldwin, James, Devonshire Brass Works, Keighley. [*Baldwin, Engineers, Keighley.* 156.]

1877. Bale, Manfred Powis, Appold Street, Finsbury, London, E.C.

1897. Balkwill, Alfred John, 142 Albemarle Terrace, Ashton-under-Lyne.

1897. Bamber, Herbert William, 25 Ryder Street, St. James's, London, S.W.

1898. Bamford, Robert George, Assistant Locomotive Superintendent, Madras Railway, Perambore Works, Madras, India.

1887. Bamlett, Adam Carlisle, Agricultural Engineering Works, Thirsk.

1898. Bancroft, Francis James, Water Engineer, Town Hall, Hull.

1901. Banham, Charles Procter, Table Bay Harbour Works, Cape Town, Cape Colony.

1901. Banister, Alan Neville, Engineer and Manager, Norwich Electric Tramways, St. Stephen's Chambers, Norwich. [*Tramways, Norwich.* 475.]

1892. Banister, George Henry, Ordnance Department, Messrs. Vickers, Sons and Maxim, Barrow-in-Furness.

1899. Banks, George, Assistant Carriage and Wagon Superintendent, Lancashire and Yorkshire Railway, Newton Heath, Manchester; and Montford, Altrincham.

1901. Barber, John Watkins, South Eastern and Chatham Railway, Longhedge Works, Battersea Park, London, S.W.

1898. Barber, Thomas Walter, 17 and 18 Tothill Street, Westminster, S.W.; and 5 Palmer Street, Westminster, S.W.

1903. Barclay, Andrew Walker, General Manager, Messrs. Bow, McLachlan and Co., Thistle Works, Paisley.

1888. Barker, Eric Gordon, 6 Mellor Road, Prenton, Birkenhead.

1899. Barker, Gerald, 1 Victoria Street, Westminster, S.W.

1896. Barker, Matthew Wilson, 21 King's Avenue, Muswell Hill, London, N.

1899. Barker, Thomas Perronet, General Manager, Messrs. Thomas Piggott and Co., Atlas Works, Birmingham.

1885. Barker, Tom Birkett, Westfield, Dorridge, Warwickshire.

1899. Barley, Clement Johnson, London Electric Supply Corporation, Stowage Wharf, Deptford, London, S.E.

1903. Barlow, Arthur Bernoulli, Messrs. H. B. Barlow and Co., Cornbrook Works, Chester Road, Manchester. [*Works, Manchester.* 3685.]

1900. Barman, Harry Drummond Dawson, Airdrie Iron Works, Airdrie. [*Iron, Airdrie.* 6.]

1891. Barnes, John Edward Lloyd, Messrs. Sloan and Lloyd Barnes, 34 Castle Street, Liverpool. [*Technical, Liverpool.* 6080.]

1887. Birmingham, James, 41 Victoria Buildings, Victoria Street, Manchester.

1884. Barr, Archibald, D.Sc., Professor of Engineering, The University, Glasgow.

1887. Barringer, Herbert, 78 Gracechurch Street, London, E.C.

1862. Barrow, Joseph, Messrs. Thomas Shanks and Co., Johnstone, near Glasgow. [*Shanks, Johnstone.*]

1871. Barry, Sir John Wolfe, K.C.B., LL.D., F.R.S., 21 Delahay Street, Westminster, S.W. [*Consilium, London.* Westminster 24.]

1883. Bartlett, James Herbert, Middlesbrough, Kentucky, United States.

1899. Bashforth, Andrew, Messrs. Sanderson Brothers and Co., Sheffield.

1887. Bate, Lt.-Colonel Charles McGuire, R.E., Commanding Royal Engineers, Head Quarters' Office, Belfast.

1896. Bateman, James Thomas, 34 Bridge Avenue, Hammersmith, London, W.

1892. Baxter, Peter Macleod, Messrs. McKie and Baxter, Copland Works, Govan, Glasgow.

1899. Bayley, George Ridley, Resident Engineer and Manager, Liverpool Hydraulic Power Co., 123 Athol Street, Liverpool, N.

1872. Bayliss, Thomas Richard, Belmont, Northfield, Birmingham.

1903. Bayliss, William, Manager, Messrs. Galloways, Knott Mill Iron Works, Manchester.

1891. Baynes, John, 53 Victoria Street, Westminster, S.W.

1899. Beale, Bertram Robert, 82 Victoria Street, Westminster, S.W.

1898. Beard, Arthur Charles, London County Council, Spring Gardens, London, S.W.

1895. Beard, Bernard, Messrs. Ashmore, Benson, Pease and Co., Stockton-on-Tees.

1887. Beardmore, William, Parkhead Forge and Steel Works, Glasgow.

1893. Beare, Thomas Hudson, F.R.S.E., Professor of Engineering, The University, Edinburgh.

1891. Beatty, Hazlitt Michael, C.M.G., Chief Locomotive Superintendent, Cape Government Railways, Cape Town, Cape Colony; and Rosclare Camp Ground, Rondebosch, near Cape Town, Cape Colony.

1899. Beaumont, Roberts, Professor of Textile Industries, Yorkshire College, Leeds.

1880. Beaumont, William Worby, Outer Temple, 222 Strand, London; W.C. [*Vibromotor, London.* Gerrard 4160.]

1859. Beck, Edward (*Life Member*), Heddon House, Isleworth.

1901. Beck, Isaac, 17 Haymarket, Sheffield. [*Beck, Engineer, Sheffield.*]

1873. Beck, William Henry, 115 Cannon Street, London, E.C.

1882. Bedson, Joseph Phillips, 8 Clifton Avenue, Fallowfield, Manchester.

1875. Beeley, Thomas, Messrs. Thomas Beeley and Son, Hyde Junction Iron Works, Hyde, near Manchester. [*Beeley, Hyde.*]

1899. Beeley, Thomas Carter, Messrs. Thomas Beeley and Son, Hyde Junction Iron Works, Hyde, near Manchester. [*Beeley, Hyde.*]

1898. Beesly, Gerald, Managing Director, Tubes Co., Credenda Works, Bridge Street, Smethwick, Birmingham; and The Pump House, Barnt Green, Birmingham.

1900. Begbie, Sydney Dawson, Managing Director, Begbie Manufacturing Co., 407 Oxford Street, London, W. [*Recessing, London.*]

1903. Begbie, Thomas, Sen., P.O. Box 3982, Johannesburg, Transvaal, South Africa.

1901. Behr, Hans Charles, Consolidated Gold Fields of South Africa, P.O. Box 1167, Johannesburg, Transvaal, South Africa.

1888. Beldam, Asplan, 93-94 Gracechurch Street, London, E.C.; and Elmwood Manor, Baldock, Herts.

1902. Bell, Arthur Morton, Carriage and Wagon Superintendent, Great Indian Peninsula Railway, Bombay, India.

1885. Bell, Charles Lowthian, Clarence Iron Works, Middlesbrough; and Linthorpe, Middlesbrough. [*Bells, Middlesbrough.* 5510.]

1897. Bell, Major Charles Thornhill, R.A., Superintendent, Gun Carriage Factory, Bombay, India.

1901. Bell, Edwin, Fort Monckton, Gosport.

1858. Bell, Sir Lowthian, Bart., LL.D., F.R.S., Clarence Iron Works, Middlesbrough; Rounton Grange, Northallerton; and Reform Club, Pall Mall, London, S.W. [*Sir Lowthian Bell, Middlesbrough.*]

1897. Bellamy, Alfred Rowe, Managing Director, Messrs. J. E. H. Andrew and Co., Reddish, near Stockport.

1903. Bellamy, Charles Vincent, Director of Public Works, Lagos, West Africa.

1868. Belliss, George Edward, Messrs. Belliss and Morcom, Ledsam Street, Birmingham [*Belliss, Birmingham.*]; and The Dell, King's Norton, near Birmingham.

1897. Belliss, John, Messrs. Belliss and Morcom, Ledsam Street, Birmingham [*Belliss, Birmingham.*]; and 10 Lyttelton Road, Edgbaston, Birmingham.

1878. Belsham, Maurice, Messrs. Price and Belsham, 52 Queen Victoria Street, London, E.C.

1895. Benn, Sykes, Messrs. S. S. Stott and Co., Haslingden, near Manchester. [*Elevator, Haslingden.* 103.]

1902. Bennett, Arthur Edward, Messrs. Webster and Bennett, Atlas Works, Coventry; and Woodheys, Elms Road, Leicester. [*Profile, Coventry.* 221.]

1894. Bennett, James William, Messrs. Taylor and Lawson, Engineering Works, Batavia; and Harwood, Branksome Park, Bournemouth.

1900. Bennie, Peter, Agencia de Tharsis, Huelva, Spain.

1895. Bennington, John William, Engineer Commander R.N., Eastleigh, Festing Grove, Southsea, Portsmouth.

1895. Bennion, Charles, Messrs. Pearson and Bennion, Union Works, Leicester; and Danes Hill House, Hinckley Road, Leicester. [*Prominent, Leicester.* 103.]

1895. Bennis, Alfred William, Newholme, Sharples Park, Bolton.

1894. Bentley, George, Messrs. Bentley and Jackson, Lodge Bank Works, Bury, Lancashire.

1896. Bentley, Wallace, Royal Insurance Buildings, Crossley Street, Halifax.

1903. Benton, Walford John, 53 Ash Grove, Hyde Park, Leeds.

1895. Berchem, Alphonse Henry Emanuel, Worthington Pump Co., 153 Queen Victoria Street, London, E.C.

1878. Berrier-Fontaine, Marc, Directeur du Génie Maritime du Cadre de Réserve, 16 Boulevard de Strasbourg, Toulon-sur-mer, (Var), France.

1893. Berry, Henry, Croydon Works, Leeds.

1893. Berry, John Ferrier, Wolhuter Gold Mining Co., P. O. Box 1160, Johannesburg, Transvaal, South Africa.

1897. Berthiez, Charles, 11 Avenue de Gravelle, St. Maurice, près Paris.

1891. Bertram, David Noble, Messrs. Bertrams, St. Katherine's Works, Sciennes, Edinburgh.

1891. Best, Francis Edward, 1 Swan Walk, Chelsea Embankment, London, S.W.

1899. Beswick, Frederick Arrowsmith, Manchester Steam Users' Association, 9 Mount Street, Manchester.

1893. Betts, Samuel, Locomotive Superintendent, Oxelösund-Fleu-Westmanlands Railway, Eskilstuna, Sweden.

1899. Beven, Alfred Nugent, Locomotive Superintendent, Junin Railway Co., Junin, Chile.

1891. Bevis, Alfred William, Head Organizer for Drawing and Hand and Eye Training to the Commissioners of National Education, Ireland: The Nest, 26 Sydney Avenue, Blackrock, Dublin.

1903. Bickerton, Henry Nield, Managing Director, National Gas Engine Co., Ashton-under-Lyne.

1885. Bicknell, Arthur Channing, 9 Westbourne Park Road, London, W.

1898. Bilbie, John, Messrs. Bilbie, Hobson and Co., 80 Queen Victoria Street, London, E.C.

1899. Biles, John Harvard, Professor of Naval Architecture, The University, Glasgow.

1897. Billetop, Torben Christian, Messrs. Henry Watson and Son, High Bridge Works, Newcastle-on-Tyne.

1888. Billinton, Robert John, Locomotive Superintendent, London Brighton and South Coast Railway, Brighton.

1887. Binnie, Sir Alexander Richardson, 9 Great George Street, Westminster, S.W.; and 77 Ladbroke Grove, Notting Hill, London, W.

1891. Bird, George, Messrs. James Bartle and Co., Western Iron Works, Notting Hill, London, W.

1897. Bird, William Hobart, Queen's Road, Coventry.

1880. Birkett, Herbert, 91 Victoria Street, Westminster, S.W.

1903. Björnstad, Jörgen, Manager, Messrs. Easton and Co., Erith Iron Works, Erith, S.O., Kent.

1896. Black, Peter Blair, 185 Palmerston Buildings, Old Broad Street, London, E.C. [*Blackness, London.*]

1879. Black, William, 1 Lovaine Place, Newcastle-on-Tyne.

1891. Blackburn, Arthur Henry, Fuel Economizer Co., Matteawan, New York, United States.

1891. Blackburn, George William, Messrs. T. Green and Son, Smithfield Iron Works, Leeds.

1890. Blackburn, John, Resident Engineer, Colne Valley Water Works, Bushey, Watford.

1898. Blackstone, Edward Christopher, Managing Director, Messrs. Blackstone and Co., Rutland Engineering Works, Stamford. [*Blackstones, Stamford.*]

1901. Blake, Matthew, Messrs. Blake, Barclay and Co., Victoria Works, Greenock. [*Filter, Greenock. 130.*]

1901. Bland, Frederick, Manager, Yorkshire Steel and Engineering Works, Sheffield; and 6 Kenbourne Road, Sheffield.

1898. Blane, William, P.O. Box 2863, Johannesburg, Transvaal, South Africa.

1895. Blaxter, Augustus Pearce, Jun., Messrs. Barnett and Foster, Niagara Works, Eagle Wharf Road, New North Road, London, N.

1892. Blechynden, John, May Villa, Kungping Road, Shanghai, China.

1867. Bleckly, John James, Bewsey Iron Works, Warrington; and Daresbury Lodge, Altrincham.

1899. Blenkinsop, John Nicholas, Marine Superintendent Engineer, Great Eastern Railway, Parkeston Quay, Harwich.

1882. Blundstone, Samuel Richardson, 3 Ludgate Circus Buildings, London, E.C.

1902. Boak, William, Messrs. Delmye, Forsyth and Co., Colombo, Ceylon.

1902. Boardman, James, Engineering Director, Société de la Manufacture d'Indiennes Emile Zündel, Moscow, Russia.

1884. Bocquet, Harry (Claude, General Manager, "La Capital" Traction and Electric Co. of Buenos Aires, 761 Avenida de Mayo, Buenos Aires, Argentine Republic.

1863. Boeddinghaus, Julius, Electrotechniker, Düsseldorf, Germany.

1902. Bollinckx, Arthur, Ateliers de Construction H. Bollinckx, 117 Chaussée de Mons, Brussels, Belgium. [Bollinckx, Vapeur, Bruxelles.]

1895. Bond, George Creswell, Mann's Chambers, Nottingham. [Bonds, Nottingham. 441.]

1884. Bone, William Lockhart, Works of the Ant and Bee, West Gorton, Manchester.

1902. Bonell, Thomas Henry Mabadoo, Locomotive, Carriage and Wagon Superintendent, Government Railways, Lagos, West Africa.

1895. Boorman, Joseph Ashworth, Messrs. Greenwood and Batley, Albion Works, Leeds.

1890. Booth, Robert, 110 Cannon Street, London, E.C. [Crocus, London. 1477 Central.]

1901. Borham, William Evans, General Manager, Indian Fibre Co., 9 and 10 Second Line Beach, Madras, India; and 97 Brigade Road, Bangalore, India.

1891. Boswell, Samuel, Messrs. Galloways, Knott Mill Iron Works, Manchester; and 82 Albert Grove, Longsight, Manchester.

1899. Bottomley, John William, Messrs. Thomas C. Fawcett and Co., White House Engineering Works, Leeds.

1888. Boulding, Sidney, Messrs. Green and Boulding, 105 Bunhill Row, London, E.C. [Temperature, London. London Wall 9060.]

1886. Boult, Alfred Julius (Life Member), Messrs. Boult, Wade and Kilburn, 111 Hatton Garden, London, E.C. [Boult, London. Holborn 180.]

1878. Bourdon, François Edouard, 74 Faubourg du Temple, Paris: (or care of Messrs. Negretti and Zambra, Holborn Viaduct, London, E.C.)

1886. Bourne, Thomas Johnstone, Imperial Chinese Railways, Tientsin, China: (or care of Mrs. Bourne, 16 Park Road, Southborough, Tunbridge Wells.)

1891. Bousfield, John Ebenezer, 4 South Street, Finsbury, London, E.C. [*Invention, London.* 4492 Central.]

1880. Bow, William, Messrs. Bow McLachlan and Co., Thistle Engine Works, Paisley. [*Bow, Paisley.*]

1888. Bowen, Edward (*Life Member*), 150 Waldegrave Road, Preston Park, Brighton.

1858. Bower, John Wilkes (*Life Member*), Meredale, Rugby Road, Leamington Spa.

1903. Bower, William Nelson, Corn Exchange Buildings, Cathedral Street, Manchester.

1892. Bowker, Arthur F., West Malling, Kent.

1899. Bowler, Thomas, Works Manager, Messrs. Kitson and Co., Airedale Foundry, Leeds.

1899. Bowman, Harold, Messrs. Stevenson and Co., Canal Foundry, Preston. [*Stevenson, Preston.*]

1890. Boyd, John White, 59 St. Vincent Street, Glasgow. [*Silent, Glasgow.*]

1882. Bradley, Frederic, Sandhills, Liverpool; Clensmore Foundry, Kidderminster; and Thornton Hall, Childer Thornton, near Chester.

1898. Bradley, Godfrey Thomas, care of the Colonial Secretary, Colombo, Ceylon.

1897. Bradley, James William, City Engineer and Surveyor, City of Westminster, Town Hall, Charing Cross Road, London, W.C.

1896. Bradney, Walter, Billiter Buildings, Billiter Street, London, E.C.

1897. Bradshaw, George Theobald Mathew, Locomotive and Resident Engineer, Ballycastle Railway, Ballymoney, Ireland.

1878. Braithwaite, Charles C., Boreham Wood Works, Elstree, Herts. [*Packing, Boreham Wood.*]

1875. Braithwaite, Richard Charles, Messrs. Braithwaite and Kirk, Crown Bridge Works, Westbromwich [*Braithwaite, Westbromwich.*]; and 39 Victoria Street, Westminster, S.W.

1900. Bramson, William Henry, Engineer Commander R.N., H.M.S. "Hannibal," care of Postmaster General, London, E.C.

1885. Brearley, Benjamin J., Union Plate Glass Works, St. Helens; and Ansdell Road, Rainhill, Lancashire.

1900. Brearley, Frederick Thomas, The Cape Glass Co., Simonstown, Cape Colony.

1900. Bremner, David Alexander, 3 Crown Court, Old Broad Street, London, E.C.

1891. Brewster, Edwin Henry George, 12 Dartmouth Street, Queen Anne's Gate, Westminster, S.W.

1890. Brewster, Walter Seckford, Wrentham, Fleet Street, Carlton, near Sydney, New South Wales.

1887. Brier, Henry, Messrs. J. and E. Hall, Dartford; and 1 Miskin Road, Dartford.

1889. Briggs, Charles, care of Robert Briggs, Howden.

1898. Briggs, Herbert, P.O. Box 1976, Johannesburg, Transvaal, South Africa.

1881. Briggs, John Henry, Howden.

1895. Britten, Thomas Johnson, P.O. Box 494, Johannesburg, Transvaal, South Africa.

1891. Broadbent, William, Messrs. Thomas Broadbent and Sons, Central Iron Works, Huddersfield. [*Broadbent, Huddersfield.* 102.]

1891. Brock, Cameron William Harrison, 105 Anerley Road, Anerley, London, S.E.

1865. Brock, Walter, Messrs. Denny and Co., Engine Works, Dumbarton. [*Lennox, Dumbarton.* 1 and 15.]

1896. Brocklehurst, George, Bridgetown, Barbados, West Indies.

1890. Brodie, John Alexander, City Engineer, Municipal Buildings, Liverpool.

1897. Brodrick, William Holborn, 37 Wellington Street, Hull.

1852. Brogden, Henry (*Life Member*), Hale Lodge, Altringham, near Manchester.

1890. Brogden, Thomas, Messrs. Appleby and Brogden, Sussex Street, Scarborough.

1892. Bromiley, William J., Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton; and Beech Hurst, Chorley New Road, Bolton.

1892. Bromly, Alfred Hammond, Apartado del Correo 784, Mexico D. F., Mexico.

1892. Brooke, John Walter, Adrian Iron Works, Lowestoft. [*Brooke, Lowestoft.*]

1892. Brooke, Robert Grundy, Messrs. Holden and Brooke, Sirius Works, West Gorton, Manchester. [*Influx, Manchester.*]

1897. Brooks, Samuel Herbert (*Life Member*), Union Iron Works, West Gorton, Manchester.

1880. Brophy, Michael Mary, Messrs. James Slater and Co., 251 High Holborn, London, W.C.

1901. Browett, Thomas, Messrs. Browett, Lindley and Co., 6 Old Queen Street, Westminster, S.W.

1886. Brown, Andrew, 110 Cannon Street, London, E.C.; and Craigmore, Lewisham, London, S.E. [*Browpost, London.* Bank 8168.]

1866. Brown, Andrew Betts, F.R.S.E., Messrs. Brown Brothers and Co., Rosebank Iron Works, Edinburgh.

1891. Brown, Arthur Mogg, Lansdowne, The Avenue, Lincoln.

1885. Brown, Benjamin, Widnes Foundry, Widnes.

1880. Brown, Francis Robert Fountaine, Villa Emérence, Boulevard de Cimiez, Nice, Alpes Maritimes, France.

1889. Brown, Captain Frederick Alexander William, R.A., Aden ; and 23 Halifax Road, Chesterton, Cambridge.

1881. Brown, George William, Trollhättan, Alexandra Road, Reading. [251.]

1902. Brown, Henry, 4 Herne Hill Mansions, Herne Hill, London, S.E.

1902. Brown, James Clifford, Messrs. Rowland Carr and Co., 6 and 8 Lime Street Square, London, E.C. [*Smyrus, London.* 5726 Avenue.]

1892. Brown, J. Fiddes, Works Superintendent, Charing Cross and Strand Electricity Supply Corporation, 60 St. Martin's Lane, London, W.C. ; and Ellerbie, 24 Morella Road, Wandsworth Common, London, S.W.

1884. Brown, Oswald, 32 Victoria Street, Westminster, S.W. [*Acqua, London.*]

1888. Brown, William, Messrs. W. Simons and Co., London Works, Renfrew.

1892. Brown, William, Messrs. Siemens Brothers and Co., Woolwich.

1902. Browne, Sir Benjamin Chapman, D.C.L., Chairman, Messrs. R. and W. Hawthorn, Leslie and Co., Forth Banks Works, Newcastle-on-Tyne. [*Locomotive, Newcastle-on-Tyne.*] (Former Member 1869-1884.)

1902. Browne, Benjamin Chapman, Jun., Messrs. R. and W. Hawthorn, Leslie and Co., Forth Banks Works, Newcastle-on-Tyne.

1874. Browne, Tomyns Reginald, Locomotive Superintendent, East Indian Railway, Jamalpur, Bengal, India : (or care of Messrs. W. Watson and Co., 7 Waterloo Place, Pall Mall, London, S.W.)

1874. Bruce, Sir George Barclay, 3 Victoria Street, Westminster, S.W.

1889. Bruce, Robert, 77 Billiter Buildings, London, E.C. [*Tangential, London.*]

1895. Bruce, Robert Arthur, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1892. Brunlees, John, 12 Victoria Street, Westminster, S.W. [Westminster 245.]

1887. Brunton, Philip George, Inspector of Ironwork, Public Works Department, Sydney, New South Wales.

1884. Bryan, William B., Engineer, East London Water Works, Lea Bridge, Clapton, London, N.E.

1902. Bryson, James, General Manager, Pumpherston Oil Works, Mid-Calder.

1899. Buchanan, James, Messrs. James Buchanan and Son, Caledonia Foundry and Engine Works, Brasenose Road, Liverpool. [*Buchanan, Liverpool.* Bootle 132.]

1901. Buckham, George Thomas, Messrs. Vickers, Sons and Maxim, 32 Victoria Street, Westminster, S.W.

1892. Buckley, John T., 36 Cleveland Road, Lytham, R.S.O., Lancashire.

1895. Buckley, Victor Emanuel, Managing Director, Lodz Sewing Thread Manufacturing Co., Lodz, Russian Poland.

1896. Buckwell, George William, Board of Trade Surveyors' Office, Barrow-in-Furness.

1878. Buddicom, Harry William, Penbedw, Nannerch, near Mold.

1886. Budenberg, Christian Frederick, Messrs. Schäffer and Budenberg, Whitworth Street, London Road, Manchester; and Somerville, Arkwright Road, Marple, Stockport. [*Manometer, Manchester.* 899.]

1882. Budge, Enrique, Engineer-in-Chief, Harbour Works, Valparaiso, Chile: (or care of Messrs. Rose-Innes Cox and Co., 4 Fenchurch Avenue, London, E.C.)

1881. Bulkley, Henry Wheeler, N.Y. Times Building, 41 Park Row, New York, United States.

1884. Bullock, Joseph Howell, Bescot Road, Walsall.

1892. Bulwer, Ernest Henry Earle, Manager, Hagerup-Doughty Ice Factory and Cold Storage Co., Robinson Street, Grimsby.

1891. Bumsted, Francis Dixon, Cannock Chase Foundry and Engine Works, Hednesford, near Stafford.

1884. Bunt, Thomas, Superintendent Engineer, Kiangnan Arsenal, Shanghai, China: (or care of R. Pearce, Lanarth House, Holders Hill, Hendon, London, N.W.)

1899. Burcham, Richard Edward, Manchester Steam Users' Association, 9 Mount Street, Manchester; and Richmond Terrace, Vine Street, Openshaw, Manchester.

1885. Burder, Walter Chapman, Messrs. Messenger and Co., Loughborough.

1893. Burnes, Thomas, R.N., Montrose, 6 Longton Grove, Sydenham, London, S.E.

1878. Burnett, Robert Harvey, Messrs. Beyer Peacock and Co., Gorton Foundry, Manchester.

1878. Burrell, Charles, Jun., Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford. [*Burrell, Thetford.*]

1887. Burstall, Edward Kynaston, Messrs. Stevenson and Burstall, 38 Parliament Street, Westminster, S.W.

1896. Burstall, Frederic William, Professor of Engineering, The University, Birmingham.

1890. Burstall, Henry Robert John, Messrs. Burstall and Monkhouse, 14 Old Queen Street, Westminster, S.W. [*Instructed, London.* 771 Westminster.]

1898. Burt, George (*Life Member*), Messrs. John Mowlem and Co., 19 Grosvenor Road, London, S.W.

1884. Butcher, Joseph John, 195 West Brookline Street, Boston, United States.

1896. Butcher, Malcolm Henry, Messrs. F. A. Robinson and Co., 54 Old Broad Street, London, E.C.

1882. Butler, Edmund, Kirkstall Forge, near Leeds. [*Forge, Kirkstall.*]
 1902. Butler, Edward, 129 Gleneldon Road, Streatham, London, S.W.
 1892. Butler, Henry William, 12 Westbrook, Darlington.
 1884. Butler, Hugh Myddleton, Kirkstall Forge, near Leeds.
 1891. Butler, James, Victoria Iron Works, Halifax; and Longfield, Halifax.
 1902. Butler, Josiah, Messrs. Baldwins, Swansea Hematite Iron and Steel Works, Landore, R.S.O., Glamorganshire.
 1891. Butter, Henry Joseph, Messrs. Tannett Walker and Co., Leeds; and Claremont, Burrage Road, Plumstead.
 1894. Butterworth, Joseph, Messrs. Lancaster and Tonge, Pendleton, Manchester; and Thorn Cottage, Pendlebury, Manchester.

1887. Caiger, Emery John, Messrs. E. J. Caiger and Co., 4 Lloyd's Avenue, Fenchurch Street, London, E.C. [*Caiger, London.*]
 1886. Cairnes, Frederick Evelyn, Killester House, Raheny, S.O., Co. Dublin.
 1900. Calastremé, John Carlos, Ada Mayo 586, Buenos Aires, Argentine Republic.
 1889. Callan, William, River Plate Fresh Meat Co., 2 Coleman Street, London, E.C.
 1900. Calthrop, Everard Richard, 3 Crosby Square, Bishopsgate Street, London, E.C. [*Raillerais, London.*]
 1886. Cambridge, Henry, Stuart Chambers, Mount Stuart Square, Cardiff.
 1898. Cameron, John, Taff Vale Railway, Cardiff.
 1903. Campbell, Alexander, Works Manager, Hunslet Engine Works, Leeds. [*Engine, Leeds.* 528.]
 1877. Campbell, Angus, Logie, Musscorie, N. W. Provinces, India.
 1880. Campbell, Daniel, Messrs. Campbell, Macmaster and Co., 11 and 12 Clement's Lane, Lombard Street, London, E.C. [*Duke, London.* Avenue 2011.]; and 18 Algiers Road, Lewisham, London, S.E.
 1898. Campbell, Hugh, Campbell Gas Engine Co., Kingston, Halifax. [*Camgas, Halifax.* 92.]
 1869. Campbell, James, Hunslet Engine Works, Leeds. [*Engine, Leeds.* 528.]
 1882. Campbell, John, Messrs. R. W. Deacon and Co., Kalimaas Works, Soerabaya, Java.
 1899. Campbell, Robert Malcolm, City and Suburban Electric Carriage Co., 157A Manor Street, Clapham, London, S.W.
 1892. Campbell, William Walker, Messrs. A. F. Craig and Co., Caledonia Engine Works, Paisley [*Machinery, Paisley.* 322.]; and Oakshawhead, Paisley.
 1903. Camps, Harold Edward Joscelyn, 102 Fenchurch Street, London, E.C. [*Adiabatic, London.* 298 Avenue.]

1885. Capito, Charles Alfred Adolph, 5 Eardley Crescent, Earl's Court, London, S.W.

1892. Capper, David Sing, Professor of Mechanical Engineering, King's College, Strand, London, W.C.; and 17 Victoria Street, Westminster, S.W. [5255 Westminster.]

1898. Capron, Athol John, Green Oak, Totley, Sheffield.

1860. Carbutt, Sir Edward Hamer, Bart. (*Life Member*), 19 Hyde Park Gardens, London, W.; and Nanhurst, Cranleigh, Guildford.

1878. Cardew, Cornelius Edward, Locomotive and Carriage Superintendent, Burma Railways Co., Insein, Burma.

1875. Cardozo, Francisco Corrêa de Mesquita (*Life Member*), Messrs. Cardozo and Irmão, Pernambuco Engine Works, Pernambuco, Brazil: (or care of Messrs. Fry Miers and Co., 8 Great Winchester Street, London, E.C.)

1892. Carnegie, David, Hadfield's Steel Foundry Co., East Hecla Works, Sheffield.

1899. Carnt, Edwin Charles, Messrs. J. Samuel White and Co., Cowes, Isle of Wight. [*White, East Cowes. 3 A.*]

1902. Carpenter, Charles Claude, Chief Engineer, South Metropolitan Gas Co., 709A Old Kent Road, London, S.E. [*Metrogas, London.*]

1895. Carr, Robert Alfred, 1 West Pier, London Docks, London, E.

1903. Carr, Wilson Story, Collingwood Buildings, Newcastle-on-Tyne. [*Ecliptic, Newcastle-on-Tyne.* Nat. 2339. P.O. 102.]

1884. Carrick, Henry, Hall Garth, Coatham Mundeville, Darlington.

1903. Carruthers, Robert, Chief Superintendent Engineer, Bombay and Persia Steam Navigation Co., Bombay, India.

1901. Carter, Edwin, Engineer Lieut. R.N., H.M.S. "Usk," care of Messrs. Yarrow and Co., Poplar, London, E.

1885. Carter, Herbert Fuller, Apartado 830, Mexico D.F., Mexico: (or care of H. Maynard Carter, 79 Wool Exchange, Coleman Street, London, E.C.)

1877. Carter, William, General Manager, The Hydraulic Engineering Company, Chester.

1901. Cartwright, William, Works Manager, Messrs. William Heap and Co., Oldham Road Tool Works, Ashton-under-Lyne.

1888. Castle, Frank, Royal College of Science, Exhibition Road, South Kensington, London, S.W.

1891. Caswell, Samuel John, care of Miss E. A. Caswell, 39 Arundel Square, Barnsbury, London, N.

1892. Causer, William George, Brighton Villa, Handsworth, R.O., Birmingham.

1883. Cawley, George, 25 Victoria Street, Westminster, S.W. [*Conferring, London. 26 Victoria.*]

1892. Chadwick, Osbert, C.M.G., Crown Agents' Department, Colonial Office, Downing Street, London, S.W.; and 11 Airlie Gardens, Kensington, London, W.

1894. Chaffey, George, 226 Spring Street, Los Angeles, California, United States.

1876. Challen, Stephen William, Messrs. Taylor and Challen, Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [*Derwent, Birmingham.*]

1889. Challen, Walter Bernard, Messrs. Taylor and Challen, Derwent Foundry, 60 and 62 Constitution Hill, Birmingham.

1892. Chalmers, George, St. John del Rey Mining Co., Finsbury House, Blomfield Street, London, E.C.

1886. Chalmers, John Reid, 18 Hemingford Road, Barnsbury, London, N.

1901. Chamberlain, John, 30 Bradgate Road, Catford, London, S.E. [Former Member 1884-1894.]

1897. Chambers, Edward John, Managing Director, Messrs. Bullers, Tipton.

1896. Chambers, Robert Martin, Messrs. Chambers and Co., Cuba Street, Belfast.

1900. Chambers, Thomas Hall Winsley, Messrs. Gjers, Mills and Co., Ayresome Iron Works, Middlesbrough.

1890. Chandler, Noel, Cannock Chase Foundry and Engine Works, Halesowen, near Stafford.

1888. Chapman, Arthur, 15 Heinrich Strasse, Brunswick, Germany.

1866. Chapman, Henry, 69 Victoria Street, Westminster, S.W.; and 10 Rue Laffitte, Paris.

1898. Chapman, Leonard, 26 Victoria Street, Westminster, S.W.; and Runnymede, Hampton Wick, London, S.W.

1893. Charlesworth, Sheard, Messrs. S. Charlesworth and Co., Richmond Hill Iron Works, Oldham. [*Charlesworth, Engineers, Oldham.* 63.]

1903. Charlton, Francis James, Engineer Lieut. R.N., 36A Victoria Road, Kensington Palace, London, W.

1885. Charnock, George Frederick, Professor of Engineering Technical College Bradford.

1890. Chater, John Richard, Messrs. Henry Pooley and Son, 20 West Street, Gateshead. [*Pooley, Gateshead.* 246.]

1885. Chatfeild Clarke, Leslie, care of Hulburd Engineering Co., 150 Leadenhall Street, London, E.C.

1891. Chatterton, Alfred, Professor of Engineering, College of Engineering, Madras, India.

1887. Chatwin, James, Victoria Works, Great Tindal Street, Ladywood, Birmingham.

1890. Chatwood, Arthur Brunel, Lancashire Safe and Lock Works, Bolton; and The Withins, Breightmet, Bolton.

1867. Chatwood, Samuel, Lancashire Safe and Lock Works, Bolton; and High Lawn, Broad Oak Park, Worsley, near Manchester.

1898. Chatwood, Samuel Rawsthorne, Manager, Lancashire Safe and Lock Works, Bolton. [*Chatwoods, Bolton.* 333.]

1873. Cheesman, William Talbot, Hartlepool Rope Works, Hartlepool.

1903. Child, Harry Shaw, Assistant Locomotive Superintendent, Cape Government Railways, Uitenhage, Cape Colony.

1897. Childe, Henry Slade, Messrs. Childe and Rowand, Wakefield. [*Childe, Wakefield.* 33.]

1895. Chittenden, Edmund Barrow, New Barnes, West Malling, Kent.

1903. Chorlton, Alan Ernest Leofric, Works Manager, Messrs. Mather and Platt, Salford Iron Works, Manchester.

1899. Christie, Andrew, Mort's Dock and Engineering Co., Mort's Bay, Sydney, New South Wales.

1894. Churchward, George Jackson, Locomotive Superintendent, Great Western Railway, Swindon.

1902. Clacher, Daniel, Chief Mechanical Engineer, Messrs. Henry Tate and Sons, Silvertown, London, E.; and Bryantwood, Auckland Road, Ilford.

1896. Claremont, Ernest Alexander, Messrs. F. H. Royce and Co., Cooke Street, Hulme, Manchester. [*Switch, Manchester.* 772 and 3562.]

1891. Clark, Augustus, Bowman's Heirs, Pernambuco, Brazil.

1903. Clark, Edwin Kitson, Messrs. Kitson and Co., Airedale Foundry, Leeds.

1896. Clark, George, Southwick Engine Works, near Sunderland.

1899. Clark, George, Works Manager, Messrs. Bryan Donkin and Clench, 55 Southwark Park Road, Bermondsey, London, S.E.; and Elm Tree Villa, Spital, Chesterfield.

1899. Clark, Henry, Messrs. Head, Wrightson and Co., Stockton-on-Tees.

1889. Clark, Thomas Alexander, Superintendent of Workshops, George Heriot's School, Edinburgh.

1896. Clark, Thomas Forster, Locomotive Superintendent, Metropolitan Railway, Neasden, London, N.W.

1893. Clarke, Edward Fuhrmann, Curzon Chambers, Paradise Street, Birmingham.

1901. Clarke, George Granville, Messrs. Dick, Kerr and Co., 110 Cannon Street, London, E.C.

1894. Clarkson, Charles, 20 Macaulay Road, Birkby, Huddersfield.

1900. Clarkson, Edward Joseph, Messrs. Clarkson, Mole and Co., 128 George Street West, Sydney, New South Wales.

1898. Clarkson, James, Messrs. J. and P. Coats, 89 Wellington Street, Glasgow.

1891. Clarkson, Thomas, Moulsham Works, Chelmsford; and Jesmond, Southborough Road, Chelmsford.

1892. Clay, Charles Butler, National Telephone Co., Telephone House, Victoria Embankment, London, E.C.

1901. Clayton, James, Messrs. Samuel Courtauld and Co., Bocking, near Braintree.

1890. Cleaver, Arthur, Engineer, Nottingham Laundry Co., Sherwood, near Nottingham; and Pelham House, Sherwood Rise, Nottingham.

1890. Cleland, William, Sheffield Testing Works, Blonk Street, Sheffield.

1897. Clifford, Charles, Chief Mechanical Engineer, Great Northern Railway of Ireland, Dundalk.

1902. Clift, Clyde Ernest, Manager, Messrs. T. Middleton and Co., Loman Street, Southwark, London, S.E. [*Loman, London. 597 Hop.*]

1885. Clifton, George Bellamy, Great Western Railway Electric Light Works, 2A Bishop's Road, Paddington, London, W.

1901. Cloake, William Henry, Managing Director, Messrs. Thomas Green and Son, Surrey Works, Blackfriars Road, London, S.E. [*Surrey Works, London. Hop 571.*]

1885. Close, John, York Engineering Works, Leeman Road, York.

1902. Cloud, John Wills, Westinghouse Brake Co., 82 York Road, King's Cross, London, N.

1885. Clutterbuck, Herbert, Engineers' Department, London County Council, Spring Gardens, London, S.W.

1904. Coates, Alfred, Manager, Whessoe Iron Foundry, Darlington.

1902. Coates, Victor Henry, 32 Ocean Buildings, Donegal Square East, Belfast.

1887. Cochrane, George, Resident Engineer, London Hydraulic Power Works, 46 Holland Street, Blackfriars Road, London, S.E.

1885. Cochrane, John, Grahamston Foundry and Engine Works, Barrhead, near Glasgow. [*Cochrane, Barrhead.*]

1869. Cochrane, Joseph Bramah, Woodside Iron Works, near Dudley.

1864. Coddington, Sir William, Bart., M.P., Ordnance Cotton Mill, Blackburn; and Wycollar, Blackburn.

1889. Coey, Robert, Locomotive Engineer, Great Southern and Western Railway, Inchicore Works, near Dublin.

1898. Coker, Ernest George, D.Sc., McGill University, Montreal, Canada.

1889. Colam, William Newby, 57 Henderson Row, Edinburgh. [*Colam, Cable, Edinburgh.*]

1892. Cole, Henry Aylwin Bevan, 50 Lime Street, London, E.C. [*Carbuncle, London. 1750 Avenue.*]

1878. Coles, Henry James, London Crane Works, Derby.

1901. Collet, Harold van Brien, Hulburd Engineering Co., 150 Leadenhall Street, London, E.C. [*Unicavering, London. Avenue 444.*]

1900. Collinson, Arthur, Locomotive Department, North Eastern Railway, York.

1894. Collis, Alfred Edward, Municipal Technical School, Lincoln.

1884. Coltman, John Charles, Messrs. Huram Coltman and Son, Engineering Works, Meadow Lane, Loughborough.

1878. Colyer, Frederick, 41 Old Queen Street, Westminster, S.W.

1888. Combe, Abram, Messrs. Combe Barbour and Combe, Falls Foundry, Belfast.

1896. Conaty, George, City of Birmingham Tramways, 153 Corporation Street, Birmingham.

1902. Conner, James, General Manager, English Electric Manufacturing Co., Preston.

1888. Constantine, Ezekiel Grayson, 17 St. Ann's Square, Manchester. [*Constant, Manchester.*]

1886. Conyers, Sidney Ward, Railway Construction Branch, Public Works Department, Sydney, New South Wales.

1874. Conyers, William, New Zealand Chambers, 483 Collins Street, Melbourne, Victoria.

1888. Cook, John Joseph, Messrs. Robinson Cooks and Co., Atlas Foundry, St. Helens, Lancashire.

1902. Cook, Reuben James, Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W.

1892. Cooke, Rupert Thomas, 889 Ashton Old Road, Manchester.

1877. Cooper, Arthur, North Eastern Steel Co., Royal Exchange, Middlesbrough.

1883. Cooper, Charles Friend, 6 Wardrobe Place, Doctors' Commons, London, E.C.

1898. Cooper, Henry, Messrs. Vickers, Sons and Maxim, River Don Works, Sheffield.

1891. Cooper, Myles, 36 Victoria Street, Manchester.

1892. Cooper, Thomas Lancelot Reed, 70 West Cumberland Street, Glasgow.

1874. Cooper, William, Neptune Engine Works, Hull. [*Neptune, Hull.*]

1900. Cooper, William, 197 Newhaven Road, Leith, Edinburgh.

1881. Coote, Arthur, Messrs. R. and W. Hawthorn Leslie and Co., Hebburn, Newcastle-on-Tyne.

1900. Cope, Harry Charles, Messrs. Summerscales and Sons, Phoenix Foundry, Keighley.

1885. Coppée, Evence, 223 Avenue Louise, Bruxelles, Belgium.

1899. Copperthwaite, Ralph Atkinson, Locomotive Department, North Eastern Railway, New Shildon, R.S.O., Co. Durham.

1901. Corbett, Alexander John, Howarth Erskine, Ltd., Bangkok, Siam.

1892. Corin, Philip Burne, Messrs. J. M. B. Corin and Son, Anchor Foundry, Penzance.

1902. Cormack, John Dewar, Professor of Mechanical Engineering, University College, Gower Street, London, W.C.

1895. Corner, John Frederick, Vulcan Boiler and General Insurance Co., 67 King Street, Manchester.

1895. Cornish, Edwin, Engineer Commander R.N., H.M.S. "Venerable," care of Postmaster-General, London, E.C.

1881. Cosser, Thomas, McLeod Road Iron Works, Karachi, India : (or care of Messrs. Ironside, Son and Co., 1 Gresham Buildings, Guildhall, London, E.C.)

1900. Cotton, Charles Cathrow Carne, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1896. Cottrell, Stephen Butler, Pacific Buildings, 31 James Street, Liverpool. [*Motor, Liverpool.* Central 5460.]

1894. Cottrill, John Ormerod, Bee Hive Works, Bolton.

1895. Couper, Sinclair, Messrs. Lindsay Burnet and Co., Moore Park Boiler Works, Govan, Glasgow. [*Burnet, Glasgow.* South Side 1513.]

1878. Courtney, Frank Stuart, 25 Victoria Street, Westminster, S.W.; and 38 Croxton Road, Dulwich, London, S.E. [*Escourre, Westminster.* 39 Westminster.]

1899. Coveneys, William Charles, Superintendent Engineer, Municipal Pumping Station, Singapore, Straits Settlements.

1875. Coward, Edward, Messrs. Melland and Coward, Cotton Mills and Bleach Works, Heaton Mersey, near Manchester; and Heatherlea, Bowdon, Altrincham.

1896. Cowdell, Henry Charles, Cradley Boiler Works, Cradley Heath, S.O., Staffordshire. [*Boiler, Cradley Heath.*]

1893. Cowell, John Ray, P.O. Box 2141, Johannesburg, Transvaal, South Africa.

1875. Cowen, Edward Samuel, Messrs. G. R. Cowen and Co., Beck Works, Brook Street, Nottingham; and 9 The Ropewalk, Nottingham. [*Cowen, Nottingham.* 87.]

1898. Cowen, George Roberts, 9 The Ropewalk, Nottingham. (Former Member 1870-1888.)

1898. Cowens, William Edward, Works Manager, Messrs. John Abbot and Co., Park Works, Gateshead.

1880. Cowper, Charles Edward, Redcot, The Marina, Deal.

1892. Cowper-Coles, Sherard Osborn, Grosvenor Mansions, Victoria Street, Westminster, S.W. [*Zincking, London.*]

1888. Cox, Herbert Henry, 22 Florence Terrace, Falmouth.

1897. Cox, Job, Birmingham Corporation Baths and Parks Departments, Kent Street, Birmingham. [994.]

1896. Craig, Alexander, Messrs. A. and G. Craig, Queen's Quay and Boating Club Road, Londonderry.

1899. Craven, John Alfred, Darnall Railway Carriage, Wagon, and Wheel Works, Sheffield.

1866. Craven, William, Messrs. Craven Brothers, Vauxhall Iron Works, Osborne Street, Manchester. [*Vauxhall, Manchester.* 659.]

1894. Craven, William H. S., Messrs. Craven Brothers, Vauxhall Iron Works, Osborne Street, Manchester. [*Vauxhall, Manchester.* 659.]

1901. Crawford, Joseph, Messrs. Davidson and Co., 37 Corporation Street, Manchester. [*Sirocco, Manchester.*]

1897. Crawford, Walter William, Westminster Motor-Car Garage, 55 Victoria Street, Westminster, S.W.

1898. Crewe, Henry Thomas, 17 Sunning Hill Road, Lewisham, London, S.E.

1889. Cribb, Frederick James, Messrs. Marshall Sons and Co., Britannia Iron Works, Gainsborough.

1893. Crippin, Thomas Henry, 105 Rosemeath Road, Urmston, Manchester.

1897. Critchley, James Sidney, Donington House, Norfolk Street, Strand, London, W.C.

1903. Croft, Frederick Lister, Messrs. Croft and Perkins, Great Northern Works, Leeds Road, Bradford. [*Pulleys, Bradford.* 349.]

1883. Croft, Henry, M.P., Chemanns, Vancouver Island.

1899. Crofts, John Charles Thruston, Manor House, Tonbridge.

1878. Crohn, Frederick William, 14 Burney Street, Greenwich, London, S.E.

1877. Crompton, Lt.-Colonel Rookes Evelyn Bell, C.B., Arc Works, Chelmsford; and Salisbury House, London Wall, London, E.C. [*Crompton, Chelmsford.*]

1898. Cronin, Richard, Locomotive Superintendent, Dublin, Wicklow and Wexford Railway, Upper Grand Canal Street, Dublin.

1881. Crosland, James Foyell Lovelock, Chief Engineer, Vulcan Boiler and General Insurance Co., 67 King Street, Manchester.

1891. Crosland, Joseph, Messrs. Seeböhm and Dieckstahl, Dannemora Steel Works, Sheffield; and Stanley Avenue, Birkdale, Southport.

1875. Crossley, William John, Messrs. Crossley Brothers, Great Marlborough Street, Manchester. [*Crossleys, Openshaw.*]

1900. Crosta, Lorenzo William, Clifton House, Musters Road, West Bridgford, Nottingham.

1882. Cruickshank, William Douglass, 3 Ewenton Street, Balmain, Sydney, New South Wales.

1898. Cruttwell, George Edward Wilson, 21 Delahay Street, Westminster, S.W. [*Consilium, London.* Westminster 24.]

1892. Cryer, Arthur, 10 Penywain Place, Roath Park, Cardiff.

1898. Cullen, Peter John, Messrs. Henry Simon, 333 Kent Street, Sydney, New South Wales.

1889. Cullen, William Hart, Castner-Kellner Alkali Co., Weston Point, Runcorn.

1901. Cunliffe, Richard William, Messrs. Cunliffe and Croom, Broughton Iron Works, Manchester. [*Lathe, Manchester. 1886.*]

1901. Cunningham, Hugh, Works Manager, Messrs. Samuelson and Co., Britannia Iron Works, Banbury.

1903. Cusack, Henry Edward, Locomotive Carriage and Wagon Superintendent, Midland Great Western Railway of Ireland, Broadstone Station, Dublin.

1900. Cutler, Arthur Edward, Public Works Department, Sydney, New South Wales.

1887. Cutler, George Benjamin, Messrs. Samuel Cutler and Sons, Providence Iron Works, Millwall, London, E.; and 10 St. John's Park, Blackheath, London, S.E. [*Cutler, Millwall. Eastern 59.*]

1876. Cutler, Samuel, Messrs. Samuel Cutler and Sons, Providence Iron Works, Millwall, London, E. [*Cutler, Millwall. Eastern 59.*]

1891. Cutler, Samuel, Jun., Messrs. Samuel Cutler and Sons, Providence Iron Works, Millwall, London, E. [*Cutler, Millwall. Eastern 59.*]

1888. Dadabhoy, Cursetjee, Messrs. Shapurji Sorabji and Co., Bombay Foundry and Engine Works, Khetwady, Bombay, India; and Cumbala Hill, Bombay, India.

1894. Dadina, Hormuz Minocher, Messrs. St. Paul and Dadina, Graham's Buildings, Bombay, India.

1891. Daglish, Harry Bolton, Messrs. Robert Daglish and Co., St. Helens Engine and Boiler Works, St. Helens, Lancashire.

1895. Daintree, Thomas Ekins, Rand Club, Johannesburg, Transvaal, South Africa.

1883. D'Albert, Charles, Société des Anciens Etablissements Hotchkiss et Cie., 6 Route de Gonesse, St. Denis, Seine, France.

1890. Dalby, William Ernest, Professor of Mechanical Engineering, City and Guilds of London Institute: Finsbury Technical College, Leonard Street, City Road, London, E.C.

1902. Dale, John, General Manager, Sunderland Forge and Engineering Co., Sunderland.

1889. Dalgarno, James Robert, 454 Great Western Road, Aberdeen.

1893. Dall, John, Messrs. Lamport and Holt, Fulton Street Works, Liverpool.

1881. D'Alton, Patrick Walter, Messrs. Dick, Kerr and Co., 110 Cannon Street, London, E.C.

1902. Dame, John Malvern, Messrs. Graham and Co., Calcutta, India.

1899. Dan, Takuma, Mitsui Mining Co., 1 Suruga-cho, Nihombashi-ku, Tokyo, Japan.

1899. Dania, George, 110 Cannon Street, London, E.C.

1866. Daniel, Edward Freer, Messrs. Worthington and Co., The Brewery, Burton-on-Trent; and 89 Derby Street, Burton-on-Trent.

1866. Daniel, William, Messrs. John Fowler and Co., Steam Plough and Locomotive Works, Leeds; and Menston, Leeds.

1903. Daniels, George, Oakdene, Hyde Road, Gorton, Manchester.

1888. Darbshire, James Edward, 25 Victoria Street, Westminster, S.W. [*Escurse, London.* 39 Westminster.]

1902. Darling, John William, Messrs. Darling and Sellers, Airedale Works, Keighley.

1878. Darwin, Horace, F.R.S. (*Life Member*), The Orchard, Huntingdon Road, Cambridge.

1873. Davey, Henry, 3 Prince's Street, Westminster, S.W.; and Conaways, Ewell, Surrey. [*Subterranean, London.*]

1890. Davidson, Albert, 139 Norfolk Street, Sheffield.

1896. Davidson, John McKenzie, General Contractor, Karachi, India.

1888. Davidson, Samuel Cleland, Sirocco Works, Bridge End, Belfast. [*Sirocco, Belfast.* 327.]

1880. Davies, Charles Merson, Messrs. Dübs and Co., Glasgow Locomotive Works, Glasgow; and Leslie House, Pollokshields, Glasgow.

1897. Davies, Edmund Joseph, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich.

1885. Davies, Edward John Mines, 24 Harrington Square, London, N.W.

1891. Davies, John Hubert, Messrs. Hubert Davies and Spain, P.O. Box 1386, Johannesburg, Transvaal, South Africa.

1904. Davies, Sidney, Chief Engineer, Messrs. Hayward Tyler and Co., Luton.

1894. Davis, George, Engineer's Office, Lancashire and Yorkshire Railway, Hunt's Bank, Manchester.

1900. Davis, Joseph, Chief Engineer, Sewerage Construction, Public Works Department, Sydney, New South Wales.

1877. Davison, John Walter, Senior Inspector of Steam Boilers, Old Custom House, Fort, Bombay, India: (or care of Mrs. Channon, 97 Shirland Road, Maida Vale, London, W.)

1884. Davison, Robert, Locomotive Department, Caledonian Railway, St. Rollox, Glasgow; and 4 Edgefaul Terrace, Springburn, Glasgow.

1892. Davy, William James, 3 Crown Court, Old Broad Street, London, E.C. [*Management, London.* Avenue 152.]

1901. Dawson, Lieut. Arthur Trevor, late R.N., Messrs. Vickers, Sons and Maxim, 32 Victoria Street, Westminster, S.W.

1875. Dawson, Edward, 23 Park Place, Cardiff. [*Mechanical, Cardiff.*]

1896. Dawson, Philip, 29 Great George Street, Westminster, S.W.

1896. Day, Charles, General Manager, The Mirrlees Watson Co., Scotland Street, Glasgow.

1890. Day, George Cameron, Quenington Court, Quenington, Fairford, S.O., Gloucestershire.

1886. Dayson, William Ogden, Blaenavon Works, Blaenavon, R.S.O., Monmouthshire.

1874. Deacon, George Frederick, Great George Street Chambers, 16 Great George Street, Westminster, S.W.

1880. Deacon, Richard William, Messrs. E. Humphries and Co., Atlas Works, Pershore.

1894. Deakin, Benjamin Walter, British Insulated Wire Co., 65 Queen Street, Melbourne, Victoria.

1903. Deakin, Walter, Messrs. H. W. Ward and Co., Lionel Street, Birmingham.

1900. Dean, Frederic William Charles, Royal Ordnance Factory, Royal Arsenal, Woolwich.

1903. Dean, Joseph, General Manager, Messrs. J. W. Knowles and Co., Globe Works, Bradford. [*Machines, Bradford.* 2132.]

1868. Dean, William, 10 Terlingham Gardens, Folkestone.

1899. Deas, James, Water and Sanitary Engineer, Municipal Offices, Warrington.

1900. Deeble, William Rufus, Locomotive Superintendent, Tasmanian Government Railways, Launceston, Tasmania.

1890. Deeley, Richard Mountford, Locomotive Superintendent, Midland Railway, Derby; and Melbourne House, Osmaston Road, Derby.

1889. Defries, Wolf, Messrs. Defries and Sons, 147 Houndsditch, London, E. [*Defries, London.*]

1901. Dellwik, Carl, Dellwik-Fleischer Water-Gas Syndicate, 25 Victoria Street, Westminster, S.W.

1900. Denham, John, Electrician, Electric Light Department, Cape Government Railways, Cape Town, Cape Colony.

1882. Denison, Samuel, Messrs. Samuel Denison and Son, Hunslet Foundry, Leeds. [*Weigh, Leeds.* Central 1238.]

1892. Dennis, George D., 26 Newton Road, Bayswater, London, W.

1900. Denny, John, British Corporation for the Survey and Registry of Shipping, Fremantle, Western Australia.

1888. Dent, Charles Hastings, General Manager, Great Southern and Western Railway, Island Bridge, Dublin.

1898. De Ritter, Walter Henry, 33 Three Colt Street, Limehouse, London, E. [*Deritter, London.* Eastern 664.]

1903. Dewar, James McKie, 4 Lloyd's Avenue, Fenchurch Street, London, E.C.

1895. Dewhurst, John Henry, Messrs. John Dewhurst and Son, Attercliffe Road, Sheffield. [1614.]

1899. Dewrance, John, 165 Great Dover Street, London, S.E.; and Cranmore Place, Chislehurst.

1883. Dick, Frank Wesley, Park Gate Iron and Steel Works, Rotherham.

1891. Dick, John Norman, Senior Government Marine Surveyor, Singapore, Straits Settlements.

1903. Dicken, Robert Christian John, Messrs. J. and H. Gwynne, Hammersmith Iron Works, Hammersmith, London, W.

1890. Dickinson, Alfred, Telephone Buildings, Birmingham. [*Traction, Birmingham.* 1823.]

1894. Dickinson, Harold, Manager, Electric Lighting Department, Whitehall Road, Leeds. [*Electricity, Leeds.* Central 1013.]

1891. Dickinson, James Clark, Palmer's Hill Engine Works, Sunderland.

1880. Dickinson, John, Palmer's Hill Engine Works, Sunderland. [*Bede, Sunderland.*]

1892. Dickinson, Richard Henry, Locomotive Superintendent, Birmingham Central Tramways, Kyotts Lake Depôt, Birmingham.

1875. Dickinson, William, Warham Road, Croydon.

1899. Ditchburn, Robert, Manager, Bombay Steam Navigation Co., Bombay, India.

1886. Dixon, Robert, The Poplars, Great Sankey, Warrington.

1898. Dixon, Walter, 59 Bath Street, Glasgow; and 11 Wilton Mansions, Glasgow. [*Fresco, Glasgow.* 3656.]

1897. Dixon, Walter Frank, Kompanaya Singer, Podolsk, Moscow Government, Russia.

1887. Dixon, William Basil, Chief Manager, Hong Kong and Whampoa Dock Co., Hong Kong, China.

1896. Dobson, Adam, 8 Balmoral Buildings, 44 Wellington Place, Belfast.

1899. Dobson, Sydney Thornton, Chief Engineer, St. James's and Pall Mall Electric Light Co., 19 Carnaby Street, Golden Square, London, W. [*Fulleresco, London.* Gerrard 5082.]

1880. Dodd, John, Messrs. Platt Brothers and Co., Hartford Iron Works, Oldham.

1868. Dodman, Alfred, Highgate Foundry, King's Lynn. [*Dodman, Lynn.*]

1889. Dolby, Ernest Richard, Messrs. Dolby and Williamson, 8 Prince's Street, Westminster, S.W.

1898. Donald, David Boswell, Messrs. W. Hosken and Co., Granite Offices, Penry.

1898. Donaldson, Hay Frederick, Chief Superintendent, Ordnance Factories, Royal Arsenal, Woolwich; and Wood Lodge, Shooter's Hill, Kent.

1903. Donaldson, Peter, Messrs. Agnew and Donaldson, 82 Victoria Street, Westminster, S.W. [*Pratique, London.* 781 Victoria.]

1895. Donkin, Harry Julian, Messrs. Bryan Donkin and Clench, Parliament Mansions, Victoria Street, Westminster, S.W.

1902. Donohue, Major William Edward, A.O.D., Maryville, Castle Avenue, Dover.

1891. Donovan, Edward Wynne, Messrs. Donovan and Co., Broughton Bridge Iron Works, Salford, Manchester. [*Dazzle, Manchester.* 3404.]

1896. Dorman, William Sansom, Works Manager, Gloucester Wagon Works, Gloucester; and Bishopstone House, Gloucester.

1865. Douglas, Charles Prattman (*Life Member*), Thornbeck Hill, Carmel Road, Darlington.

1903. Douglas, George Cameron, 41 Reform Street, Dundee. [01960.]

1900. Douglas, James McDonald, Tower House, West Cliff Gardens, Bournemouth.

1898. Douglas, William James, 141 Fenchurch Street, London, E.C. [*Blockading, London.*]

1891. Douglass, William James, Messrs. Douglass Brothers, Globe Iron Works, Blaydon-on-Tyne, R.S.O., County Durham.

1887. Douglass, William Tregarthen, 15 Victoria Street, Westminster, S.W.

1857. Dove, George, Messrs. Cowans, Sheldon and Co., St. Nicholas Engine and Iron Works, Carlisle; and Viewfield, Stanwix, near Carlisle. [*St. Nicholas, Carlisle.*]

1873. Dove, George, Redbourn Hill Iron and Coal Co., Frodingham, near Doncaster [*Redbourn, Frodingham.*]; and Hodroyd Hall, near Barnsley.

1903. Dove, John Charles, Messrs. Cowans, Sheldon and Co., St. Nicholas Works, Carlisle. [*St. Nicholas, Carlisle.*]

1900. Dow, James William, Carriage and Wagon Department, North Eastern Railway, York.

1881. Dowson, Joseph Emerson, 39 Victoria Street, Westminster, S.W. [*Gaseous, London.*]

1880. Doxford, Robert Pile, Messrs. William Doxford and Sons, Pallion Shipbuilding and Engine Works, Sunderland.

1874. Dredge, James, C.M.G., 35 Bedford Street, Strand, London, W.C. [Gerrard 3663.]

1899. Drew, Alexander, 14 Talbot House, St. Martin's Lane, London, W.C.

1896. Dronfield, William, Messrs. Dronfield Brothers, Atlas Works, Oldham.

1886. Drummond, Dugald, Locomotive Engineer, London and South Western Railway, Nine Elms, London, S.W.

1898. Drummond, George William, Glasgow Railway Engineering Co., 13 Victoria Street, Westminster, S.W. [*Azbra, London.*]

1898. Drummond, Peter, Locomotive Superintendent, Highland Railway, Inverness.

1899. Drummond, Walter, Glasgow Railway Engineering Co., Govan, Glasgow.

1900. Dryden, Albert, H.M. Mint, Calcutta, India : (or care of Messrs. Grindlay and Co., 55 Parliament Street, Westminster, S.W.)

1896. Dryden, Thomas, Grimshaw Street Foundry, Preston. [36.]

1885. Duckering, Charles, Water Side Works, Rosemary Lane, Lincoln.

1900. Dudin, Henry William, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1901. Duff, Edward James, Chief Engineer, United Alkali Co., Widnes.

1868. Dugard, William Henry, Messrs. Dugard Brothers, Vulcan Rolling Mills, Bridge Street West, Summer Lane, Birmingham. [Vulcan, Birmingham.]

1886. Duncan, Norman, Mechanical Engineer to the Municipality, Rangoon, British Burmah, India.

1894. Dunell, George Robert, 36 Bedford Street, Strand, London, W.C. ; and 33 Spencer Road, Grove Park, Chiswick, London, W.

1898. Dunkerley, Stanley, Professor of Applied Mechanics, Royal Naval College, Greenwich, London, S.E.

1892. Dunlop, James, care of Dr. Ellwood, The Chestnuts, 99 Tollington Park, London, N.

1900. Dunlop, Peter, 70 Grove Road, Clapham Park, London, S.W.

1899. Dunn, Andrew Macfarlane, Works Manager, Messrs. J. and P. Coats, Ferguslie Thread Works, Paisley.

1890. Dunn, Hugh Shaw, Engineer, Caprington Collieries, Kilmarnock.

1901. Dunn, James, Messrs. Vickers, Sons and Maxim, Naval Construction Works, Barrow-in-Furness.

1895. Dunn, Matthew, Corporation Gas Works, Stockton-on-Tees.

1899. Durston, Engineer Rear Admiral Sir Albert John, K.C.B., Engineer-in-Chief of the Fleet, Admiralty, Whitehall, London, S.W. ; and 4 Westcombe Park Road, Blackheath, London, S.E.

1886. Duvall, Charles Anthony, The Limes, Great Milton, Wallingford.

1865. Dyson, Robert, Messrs. Owen and Dyson, Rother Iron Works, Rotherham.

1880. Eager, John Edward, Messrs. William Crichton and Co., Engineering and Shipbuilding Works, Abo, Finland.

1858. Easton, Edward, 7 Victoria Street, Westminster, S.W. [Westminster 49.]

1884. Eastwood, Charles, Manager, Linacre Gas Works, Liverpool.

1892. Eastwood, Thomas Carline, Messrs. Eastwood Swingler and Co., Victoria and Railway Iron Works, Derby. [Swingler, Derby.]

1888. Eaton-Shore, George, Borough Engineer, Temple Chambers, Crewe.

1896. Eborall, Cornelius Willes, District Locomotive Superintendent, East Indian Railway, Jamalpur, India: (or care of Messrs. William Watson and Co., 7 Waterloo Place, Pall Mall, London, S.W.)

1897. Echevarri, Juan Thomas Wood, British Aluminium Co., 9 Victoria Street, Westminster, S.W.

1878. Eckart, William Roberts, Room 4, Nevada Block, San Francisco; and 3014 Clay Street, San Francisco, California, United States.

1886. Ede, Francis Joseph, Messrs. Ede Brothers, Silchar, Cachar, India.

1892. Edgcome, James Edmund, Borough Electrical Engineer, Kingston-on-Thames.

1883. Edmiston, James Brown, Marine Superintending Engineer, Messrs. Hamilton Fraser and Co., K Exchange Buildings, Liverpool; and Ivy Cottage, Highfield Road, Walton, Liverpool.

1903. Edmonds, Captain Richard James, A.O.D., Inspector of Ordnance Machinery, H.M. Gun Wharf, Portsmouth.

1900. Edwards, Albert Edward Alexander, Messrs. Edwards and Shaw, 105 Colmore Row, Birmingham. [10 X.]

1877. Edwards, Frederick, 62 Bishopsgate Street Within, London, E.C.

1891. Edwards, Herbert Francis, Messrs. Forster, Brown and Rees, Guildhall Chambers, Cardiff.

1885. Edwards, Walter Cleeve, Public Works Department, Port Elizabeth, Cape Colony.

1896. Ekin, Tom Charles, 21 Old Queen Street, Westminster, S.W.

1899. Elford, Ernest John, Borough Surveyor, Southend-on-Sea.

1888. Ellery, Henry George, 7 Fernbank Road, Redland, Bristol.

1875. Ellington, Edward Bayzand, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1892. Elliott, Archibald Campbell, D.Sc., Professor of Engineering, University College of South Wales and Monmouthshire, Cardiff.

1895. Elliott, George, 2 Clarinda, Cavehill Road, Belfast.

1901. Ellis, Arthur, Engineer and Manager, Cardiff Corporation Electric Lighting and Tramway Departments, Town Hall, Cardiff.

1895. Ellis, Arthur Devonshire, Managing Director, Messrs. Thwaites Brothers, Vulcan Iron Works, Bradford.

1901. Ellis, Reginald Eaton, Messrs. Mewburn, Ellis and Pryor, 70 and 72 Chancery Lane, London, W.C. [Patent, London. Holborn 243.]

1896. Ellis, William Frederick Wood, care of R. Tatham, 36 Cheverton Road, Putney, London, S.W.

1900. Elmer, Joseph John, Works Manager, Westinghouse Brake Co., 82 York Road, King's Cross, London, N.; and Ethelmar House, Waverley Road, Crouch End, London, N.

1902. Elphinstone, George Keith Buller, Messrs. Elliott Brothers, Century Works, Lewisham, London, S.E.

1897. Elsworth, John Francis, Les Huileries, Alexandria, Egypt.

1885. Elsworthy, Edward Houtson, Messrs. Richardson and Cruddas, Byculla Iron Works, Bombay, India; and Byculla Club, Bombay, India.

1878. Elwin, Charles, London County Council, Spring Gardens, London, S.W.

1890. English, Lt.-Colonel Thomas, Hawley, near Dartford.

1894. English, Thomas Matthew, Superintendent, Die and Coining Department, H. M. Mint, Bombay, India.

1894. Ennor, Charles John, 55 Rua da Reboleira, Oporto, Portugal.

1901. Erichsen, Frederik Ole, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1890. Esson, John, Chatteris Engineering Works, Chatteris, S.O., Cambridgeshire.

1901. Esson, John, 104-107 Fetter Lane, London, E.C. [*Essons, London. Holborn 1064.*]

1884. Etherington, John, 39A King William Street, London Bridge, London, E.C.

1887. Evans, Arthur George, Palace Chambers, 9 Bridge Street, Westminster, S.W.; and Kington Langley, Chippenham.

1884. Evans, David, Messrs. Bolckow Vaughan and Co., Cleveland Iron and Steel Works, South Bank, R.S.O., Yorkshire.

1887. Everitt, Nevill Henry, Messrs. Thomas Piggott and Co., Atlas Works, Birmingham; and Swains House, Bembridge, S.O., Isle of Wight.

1897. Evers, Joseph Henry, General Manager, Messrs. Manning, Wardle and Co., Boyne Engine Works, Hunslet, Leeds. [*Manning, Leeds.*]

1894. Ewen, John Taylor, F.R.S.E., H.M. Inspector of Schools (Science and Art) for the Northern Division of Scotland; 104 King's Gate, Aberdeen.

1881. Ewen, Thomas Buttwell, Messrs. Ewen and Mitton, Smithfield Works, Sherlock Street, Birmingham.

1891. Ewing, James Alfred, LL.D., F.R.S., Director of Naval Education, Royal Naval College, Greenwich, London, S.E.

1890. Exton, George Gaskell, Messrs. Chubb and Son, 128 Queen Victoria Street, London, E.C.

1880. Farcot, Paul, Messrs. Farcot and Sons, Engine Works, 17 Avenue de la Gare, St. Ouen, France.

1881. Farrar, Sidney Howard, 54 Old Broad Street, London, E.C.

1900. Feak, William Mark, Fleet Engineer R.N. (Retired), Mill House, Blackheath, London, S.E.

1901. Fedden, Samuel Edgar, Chief Engineer and Manager, Sheffield Corporation Electric Supply Department, Commercial Street, Sheffield.

1882. Feeny, Victor Isidore, 60 Queen Victoria Street, London, E.C. [*Victor Feeny, London.*]

1899. Feetham, Mark, London Electric Supply Corporation, Stowage Wharf, Deptford, London, S.E.

1901. Fell, Aubrey Llewellyn Coventry, Electrical Engineer and General Manager, Sheffield Corporation Tramways, Town Hall, Sheffield.

1876. Fell, John Corry, 1 Queen Victoria Street, London, E.C.; and Excelsior Works, Old Street, London, E.C.

1892. Fenwick, James, 19 Bridge Street, Sydney, New South Wales. [1038.]

1881. Ferguson, William, Harbour Board, Wellington, New Zealand.

1896. Ferguson, William Deeble, 3 Mount Delphi, Antrim Road, Belfast.

1900. Ferranti, Sebastian Ziani de, Hollinwood, Manchester; and Ingleside, Lyndhurst Road, Hampstead, London, N.W.

1866. Fiddes, Walter, 2 Queen's Avenue, Tyndall's Park, Bristol.

1867. Field, Edward, 4 Trafalgar Square, London, W.C.

1888. Field, Howard, 38 Mincing Lane, London, E.C.

1884. Fielden, Joseph Petrie, Park Terrace, Rochdale.

1874. Fielding, John, Messrs. Fielding and Platt, Atlas Iron Works, Gloucester. [*Atlas, Gloucester.*]

1891. Finlayson, Finlay, Atlas Works, Airdrie.

1902. Finlayson, Richard Wilson, Messrs. H. P. Gregory and Co., 74 Clarence Street, Sydney, New South Wales.

1899. Firth, Ambrose, Messrs. Walker, Eaton and Co., Wicker Iron Works, Sheffield. [*Founder, Sheffield.* 373.]

1897. Fish, Sylvester Robert, Messrs. F. Street and Co., Palacio da Flôr da Murta, 156 Rua do Poço dos Negros 158, Lisbon, Portugal.

1889. Fisher, Henry Bedwell, Marine Shops, London Brighton and South Coast Railway, Newhaven, Sussex.

1884. Fisher, Henry Oakden, Ty Mynydd, Radyr, near Cardiff.

1897. Fisher, Pearson, 26 Torrington Square, London, W.C.

1888. FitzGerald, Maurice Frederick, Professor of Engineering, Queen's College, Belfast.

1902. Fitzmaurice, Maurice, C.M.G., Chief Engineer, London County Council, Spring Gardens, London, S.W.

1877. Flannery, Sir James Fortescue, M.P., 9 Fenchurch Street, London, E.C. [Avenue 338.]

1903. Fletcher, James Ashton, Messrs. Fletcher Brothers, Borough Brass and Iron Works, Ashton-under-Lyne. [*Fletcher, Ashton-under-Lyne.* 45.]

1898. Fletcher, William, Messrs. Clayton and Shuttleworth, Stamp End Works, Lincoln.

1902. Fletcher, William, Co-operative Wholesale Society, Blandford Street, Newcastle-on-Tyne.

1901. Flindt, Ernest Just, Morel's Chambers, Cardiff. [*Shaft, Cardiff.*]

1903. Flockton, Benjamin Percy, Messrs. Thomas Bradford and Co., Crescent Iron Works, Salford, Manchester.

1892. Focken, Charles Frederick, care of Institute of Engineers and Shipbuilders, Hong Kong, China.

1902. Foggo, Watson, Pomona, Yarborough Road, Lincoln.

1899. Footner, Harry, St. David's, Berkhamsted.

1882. Forbes, David Moncur, Engineer, H. M. Mint, Bombay.

1895. Forbes, George Chichester, Locomotive Superintendent, Federated Malay States Railways, Kuala Lumpor, Malay Peninsula.

1882. Forbes, William George Loudon Stuart, Mechanical Superintendent, H. M. Mint, Calcutta.

1899. Ford, Thomas Wharton, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1899. Ford-Moore, Arthur Pilcher, 9 Lammas Park Gardens, Ealing, London, W.

1892. Forrest, Hilary Sheldon, General Manager, Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton.

1902. Forrest, Peter, Messrs. Price and Reeves, 15 Great George Street, Westminster, S.W.

1888. Forster, Alfred Llewellyn, Engineer, Newcastle and Gateshead Water Works, Newcastle-on-Tyne.

1889. Foster, Herbert Anderton (*Life Member*), Messrs. John Foster and Son, Black Dike Spinning Mills, Queensbury, near Bradford.

1888. Foster, James, 42 Harriet Street, Pollokshields, Glasgow.

1884. Foster, John Slater, Messrs. Jones and Foster, 39 Bloomsbury Street, Birmingham.

1882. Fothergill, John Reed, Consulting Engineer, Dock Office, West Hartlepool; and 1 Bathgate Terrace, West Hartlepool.

1885. Fourny, Hector Foster, French Chambers, Queen's Dock-Side, Hull. [*Veritas, Hull.*]

1900. Fowler, Alexander Farquharson, 3 Cook Street, Liverpool.

1866. Fowler, George, Basford Hall, near Nottingham.

1896. Fowler, Henry, Locomotive Department, Midland Railway, Derby.

1894. Fowler, Robert Henry, Messrs. John Fowler and Co., Steam Plough and Locomotive Works, Leeds. [*Fowler, Leeds.*]

1885. Fowler, William Henry, 53 New Bailey Street, Manchester; and Manor Avenue, Urmston, Manchester.

1900. Fox, Charles Heyland, Broad Street House, Old Broad Street, London, E.C.

1866. Fox, Sir Douglas, 28 Victoria Street, Westminster, S.W.

1901. Fox, William, Mechanical Engineer to the Manchester Ship Canal Co., 41 Spring Gardens, Manchester. [688 and 1077.]

1884. Frampton, Edwin, General Engine and Boiler Co., Hatcham Iron Works, Pomeroy Street, New Cross Road, London, S.E. [*Oxygen, London.*]

1885. Franki, James Peter, Mort's Dock and Engineering Co., Mort's Bay, Sydney, New South Wales: (or care of Messrs. Goldsborough Mort and Co., 149 Leadenhall Street, London, E.C.)

1902. Franklin, Edward Stanley, Chief Electrical Engineer, Bengal-Nagpur Railway, Khargpur, Midnapur, Bengal, India.

1877. Fraser, John Hazell, Messrs. John Fraser and Son, Millwall Boiler Works, London, E.C.; and 110 Cannon Street, London, E.C.

1899. Fraser, Patrick, Messrs. Douglas Fraser and Sons, Westburn Foundry, Arbroath.

1900. Fujii, Terugoro, care of Admiralty, Tokyo, Japan.

1891. Fuller, Charles Frederick, 223 Temple Chambers, Temple Avenue, London, E.C.

1897. Furness, Charles, Borough Electrical and Tramway Engineer, Electricity Department, Blackpool.

1890. Gadd, William, District Locomotive Superintendent, Great Southern and Western Railway, Limerick.

1866. Galloway, Charles John, Chairman, Galloways Ltd., Knott Mill Iron Works, Manchester. [*Galloway, Manchester.*]

1898. Gandy, Frederick, Staveley Coal and Iron Co., Chesterfield.

1884. Ganga Ram, Rai Bahadur, C.I.E., Executive Engineer, Public Works Department, Amritsar, Punjab, India: (or care of Messrs. Thomas Wilson and Co., 10 and 12 Eastcheap, London, E.C.)

1899. Gardner, William, Vauxhall Iron Works Co., 45 Leadenhall Street, London, E.C. [*Wellhole, London. Avenue 800.*]

1891. Garrard, Charles Riley, Clement Talbot Ltd., St. Quintin's Park, London, W.; and 12 St. Charles Square, North Kensington, London, W.

1899. Garrard, George Mingay, Broseley, Shropshire.

1902. Garratt, Herbert William, Locomotive Superintendent, Lagos Government Railway, Lagos, West Africa.

1882. Garrett, Frank, Messrs. Richard Garrett and Sons, Leiston Works, Leiston, R.S.O., Suffolk. [*Garrett, Leiston.*]

1899. Garvie, James, 69 Victoria Street, Westminster, S.W.

1898. Gass, John, Engineer's Office, The Tower Bridge, 9 Horselydown Lane, London, S.E.

1894. Gatehouse, Tom Ernest, 4 Ludgate Hill, London, E.C. [*Ageekay, London. Holborn 933.*]

1888. Gaze, Edward Henry James, 4 Victoria Drive, Mount Florida, Glasgow.

1895. Geach, Frederick Samuel, Wigan Coal and Iron Works, Wigan.

1901. Gearing, Ernest George, General Manager, Leeds Forge, Leeds.

1902. Gebbie, John, Messrs. Howarth, Erskine and Co., Singapore, Straits Settlements.

1888. Geddes, Christopher, 2A Drury Buildings, Water Street, Liverpool. [*Graccius, Liverpool.*]

1903. Gelling, John Welsby, Apartado 593, Mexico City, Mexico.

1880. Geoghegan, Samuel, Consulting Engineer to Messrs. A. Guinness Son and Co., St. James' Gate Brewery, Dublin; and The Grove, Killiney, Co. Dublin.

1896. German, Walter Hussey, Colonial Sugar Refining Co., O'Connell Street, Sydney, New South Wales.

1887. Gibb, Andrew, Messrs. Rait and Gardiner, 155 Fenchurch Street, London, E.C.; and Garthland, Westcombe Park Road, Blackheath, London, S.E.

1871. Gibbins, Richard Cadbury, Berkley Street, Birmingham. [*Gibbins, Birmingham.*]

1901. Gibbons, William Gregory, 8 East Parade, Goole. [*Gibbons, Goole. 5 Y.*]

1902. Gibbs, George James, Bamber Bridge, Lancashire.

1901. Gibbs, John Henry, Britannia Iron Works, Observatory, Cape Town, Cape Colony.

1899. Gibson-Sugars, John Sugars, Engineer Lieut. R.N., H.M.S. "Audacious," care of Postmaster-General, London, E.C.

1883. Gilchrist, Percy Carlyle, F.R.S. (*Life Member*), Frogner Bank, Finchley Road, Hampstead, London, N.W.

1898. Giles, Benjamin, Divisional Superintendent, Great Western Railway, Newton Abbot.

1880. Gill, Charles, Messrs. Young and Gill, Engineering Works, Java; and Java Lodge, Beckenham.

1884. Gimson, Arthur James, Messrs. Gimson and Co., Engine Works, Vulcan Street, Leicester. [*Gimson, Leicester. 6.*]

1881. Girdwood, William Wallace, 24 Plashet Road, Upton Manor, London, E.

1896. Glasgow, Arthur Graham (*Life Member*), Messrs. Humphreys and Glasgow, 38 Victoria Street, Westminster, S.W.

1898. Glen, David Corse, Messrs. Matheson and Co., 3 Lombard Street, London, E.C.

1880. Godfrey, William Bernard, 23 St. Swithin's Lane, London, E.C.

1888. Goff, John, Messrs. Salt and Co., The Brewery, Burton-on-Trent.

1882. Goldsmith, Alfred Joseph, Lillington, Moray Street, New Farm, Brisbane, Queensland.

1877. Goodbody, Robert, Messrs. Goodbody, Clashawaun Jute Factory, Clara, near Moate, Ireland.

1875. Goodfellow, George Ben, Messrs. Goodfellow and Matthews, Hyde Iron Works, Hyde, near Manchester. [*Goodfellow, Hyde.*]

1901. Goodier, Frank, Caixa Postal 392, São Paulo, Brazil.

1890. Goodman, John, Professor of Engineering, Yorkshire College, Leeds.

1899. Goodwin, Albert Beecham, Artillery Mansions, 75 Victoria Street, Westminster, S.W.

1889. Goold, William Tom, Tuthill House, Lydney.

1887. Gordon, Alexander, 23 Victoria Street, Westminster, S.W. [*Niliacus, London.*]

1901. Gordon, Alexander Grant, Marine Superintendent, China Manilla Steamship Co., Hong Kong, China; and care of Messrs. Shewan, Tomes and Co., Hong Kong, China.

1879. Gorman, William Augustus, Messrs. Siebe and Gorman, 187 Westminster Bridge Road, London, S.E. [*Siebe, London.*]

1877. Goult, Wallis Rivers, Kuruman, Walberswick, Southwold, Suffolk.

1878. Grafton, Alexander, Vulcan Works, Bedford. [*Grafton, Bedford.*]

1902. Graham, Charles Knott, care of Messrs. R. M. Alexander and Co., 24 Coleman Street, London, E.C.

1901. Graham, Jesse, Messrs. Whitaker Brothers and Co., Aire Vale Dye Works, Newlay, Leeds.

1894. Graham, Maurice, Messrs. Graham, Morton and Co., Pepper Road, Hunslet, Leeds.

1896. Graham, Robert, Ponce, Porto Rico.

1900. Graham, William Vaux, 5 Queen Anne's Gate, Westminster, S.W. [*Grallator, London.* Westminster 656.]

1904. Grange, Robert Burns, care of C. A. MacDonald, Hercules Refrigeration, 63 Pitt Street, Sydney, New South Wales.

1900. Grant, Lewis, Messrs. Douglas and Grant, Dunnikier Foundry, Kirkealdy. [*Douglas, Kirkealdy.* 105.]

1886. Grant, Percy, Assistant Locomotive, Carriage, and Wagon Superintendent, Ferro Carril del Sud, Estacion Los Talleres, Buenos Aires, Argentine Republic.

1895. Grant, Thomas Maxwell, 17 Clarence Drive, Hyndland, Glasgow.

1896. Gray, Alexander Cuthill, Assistant Locomotive Superintendent, Rio Grande do Sul Railway, Rio Grande do Sul, Brazil.

1891. Gray, George Macfarlane (*Life Member*), Board of Trade Surveyors' Office, Custom House Arcade, Liverpool.

1865. Gray, John Macfarlane, 4 Ladbroke Crescent, Notting Hill, London, W.

1879. Gray, Thomas Lowe (*Life Member*), Lloyd's Register, 71 Fenchurch Street, London, E.C.; and 24 St. Michael's Road, Stockwell, London, S.W.

1900. Greaven, Andrew Augustine, Works Manager, Sola Works, Ferro Carril del Sud, Buenos Aires, Argentine Republic.

1898. Greaven, Louis, Locomotive and Car Superintendent, National Railway of Tehuantepec, Rincon Antonio, Mexico: (or care of F. Nolan, 17 Beach, Queenstown, Co. Cork.)

1902. Greaves, William, Vincent Machine Works, Gelderd Road, Leeds; and 15 Park Row, Leeds. [02847.]

1861. Green, Sir Edward, Bart., Messrs. E. Green and Son, Phoenix Works, Wakefield.

1903. Green, Edward William, Managing Director, Messrs. R. and H. Green, Blackwall Yard, Blackwall, London, E. [Green, Blackwall, London. 203 Eastern.]

1901. Green, Thomas, Messrs. Steel, Peech and Tozer, The Ickles, Rotherham.

1898. Green, Thomas Willoughby, Messrs. Thomas Green and Son, Smithfield Iron Works, Leeds. [Smithfield, Leeds. Central 158.]

1893. Green, William Penrose, Messrs. Thomas Green and Son, Smithfield Iron Works, Leeds. [Smithfield, Leeds. Central 158.]

1901. Greenhill, Thomas Arthur, Santa Teresa 9, Madrid, Spain.

1895. Greensmith, James Eades, Mason Machine Works, Taunton, Massachusetts, United States.

1878. Greenwood, Arthur, Messrs. Greenwood and Batley, Albion Works, Leeds.

1874. Greenwood, William Henry (*Life Member*), Birmingham Metal and Munitions Co., Adderley Park Mills, Birmingham.

1894. Gregory, Horace Mark, Messrs. Brown, Lenox and Co., 9 Martin's Lane, Cannon Street, London, E.C.; and Ynysyngharad, Pontypridd.

1892. Gresham, Harry Edward, Messrs. Gresham and Craven, Craven Iron Works, Salford, Manchester. [Brake, Manchester. 613.]

1880. Gresham, James, Messrs. Gresham and Craven, Craven Iron Works, Salford, Manchester. [Brake, Manchester. 613.]

1883. Grew, Frederick, 63 Burnt Ash Hill, Lee, London, S.E.

1895. Griffith, Percy, 54 Parliament Street, Westminster, S.W.

1895. Griffiths, Harry Denis, P.O. Box 2146, Johannesburg, Transvaal, South Africa.

1873. Griffiths, John Alfred, Patent Office, Brisbane, Queensland.

1900. Griffiths, William John, General Manager, Messrs. McKenzie and Holland, Semaphore Iron Works, Newport, Melbourne, Victoria.

1889. Grimshaw, James Walter, Resident Engineer, Harbours and Rivers Department, Sydney, New South Wales; and Australian Club, Sydney, New South Wales.

1891. Groom, Richard Alfred, Shropshire Works, Wellington, Salop.

1879. Grose, Arthur, Messrs. Grose Norman and Co., Reliance Works, Northampton.

1886. Grove, David, 24 Friedrich Strasse, Berlin.

1898. Grover, Frederick, Greek Street Chambers, Leeds.

1903. Grunwell, Hartley, Manager, Isles Ltd., Steam Crane Works, Stanningley, Leeds. [*c/o Isles, Stanningley.* 45 Stanningley.]

1898. Guest, Charles Henry, General Manager, Messrs. R. W. Webb, Draycott, near Derby. [*Tyre, Draycott.* 1632.]

1900. Guest, James John, Cornwall Buildings, Newmarket Street, Birmingham.

1884. Gulland, James Ker, Diamond Drill Co., 8 Victoria Street, Westminster, S.W. [*Gulland, London.*]

1870. Gwynne, James Eglinton Anderson (*Life Member*), Folkington, Polegate, R.S.O., Sussex.

1870. Gwynne, John, Hammersmith Iron Works, Hammersmith, London, W.; and 81 Cannon Street, London, E.C. [*Gwynne, London.*]

1902. Haarer, Ernest Du Chaillu, The Hydraulic Engineering Co., 19 Oldhall Street, Liverpool. [6057.]

1899. Hacking, William Henry, Lord Street, Bury, Lancashire.

1888. Hadfield, Robert Abbott, Hecla Foundry Steel Works, Sheffield. [*Hadfield, Sheffield.*]

1902. Haggie, Robert Hood, Jun., Managing Engineer, Messrs. John Davis and Son (Derby), All Saints Works, Derby.

1894. Haigh, Noel Newall, Worden's Gillett Street Iron Works, Preston: and Heath Bank, Watersheddings, Oldham.

1895. Haines, Charles James, Southampton Water Works, Otterbourne, near Winchester.

1900. Halcomb, Sydney Broughton, Messrs. Sanderson Brothers and Co., Sheffield. [*Sanderson, Sheffield.* 69.]

1897. Haldane, John Wilton Cuninghame, 43 Mulgrave Street, Liverpool.

1884. Hall, Albert Francis, George F. Blake Manufacturing Co., Third Street, East Cambridge, Massachusetts; and 3 Cordis Street, Charlestown, Boston, Massachusetts, United States.

1894. Hall, Henry Platt, Messrs. Platt Brothers and Co., Hartford New Works, Oldham.

1881. Hall, John Percy, Carville, Lawrie Park Road, Sydenham, London, S.E.

1882. Hall, John Willim, 71 Temple Row, Birmingham.

1903. Hall, Joseph, Executive Engineer, Municipal Offices, Bombay, India.

1903. Hall, Joshua, Messrs. R. Hall and Son, Kingston Mills, Hyde.

1890. Hall, Oscar Standring, Messrs. Robert Hall and Sons, Hope Foundry, Bury, Lancashire; and Park Cottage, Bury, Lancashire.

1874. Hall, Thomas Bernard, Messrs. T. Bernard Hall and Jones, 119 Colmore Row, Birmingham; and Ingleside, Sandon Road, Edgbaston, Birmingham. [*Tamar, Birmingham.*]

1900. Hall, William Brasier, Engineer Lieut. R.N., Controller's Department, Admiralty, Whitehall, London, S.W.

1871. Hall, William Silver, 3 Mitsu Bishi Building, Yayeducho, Tokyo, Japan; (or care of Messrs. Takata and Co., 88 Bishopsgate Street Within, London, E.C.) [*Silverhall, Tokyo.*]

1889. Hall-Brown, Ebenezer, Messrs. A. Rodger and Co., St. Helen's Engine Works, Govan, Glasgow. [*Triple, Glasgow.*]

1880. Hallett, John Harry, 123 Bute Street, Cardiff. [*Consulting, Cardiff.*]

1871. Halpin, Druitt, 17 Victoria Street, Westminster, S.W. [*Halpin, London. Westminster 75, care of Victoria Chambers Co.*]

1898. Halstead, Arthur Frederick, Gorton Villa, Allenhays Road, Salcombe, R.S.O., Devon.

1895. Halstead, John Henry, La Administracion, Ferro Carril Central del Uruguay, Monte Video, Uruguay: (or 24 Alma Road, Birkdale, Southport.)

1900. Hambly, John, Messrs. Hambly and Mangold, P.O. Box 336, Port Elizabeth, South Africa.

1894. Hamer, Walter, Rosebank, Scarisbrick Street, Southport.

1903. Hamilton, George Claude, Messrs. Taylor Brothers and Co., Clarence Iron and Steel Works, Leeds.

1894. Hamilton, Robert, Resident Engineer, Caledonia Estate, Province Wellesley, Penang, Straits Settlements.

1899. Hammond, Robert, 64 Victoria Street, Westminster, S.W. [*Hammond, London. Westminster 495.*]

1875. Hammond, Walter John, The Grange, Knockholt, near Sevenoaks.

1886. Hanbury, John James, Edgeley, 141 Walm Lane, Cricklewood, London, N.W.

1899. Hancock, Samuel, Eastern Extension Telegraph Co., Singapore, Straits Settlements.

1896. Handyside, Charles Baird, Messrs. Holmes and Co., Examiner Buildings, Manchester.

1891. Harcourt, Otto Simon Henry, Clarence Iron Works, Leeds.

1902. Hardcastle, Edward, Bradford Dyers' Association, Bradford.

1894. Harding, James Cooper, Messrs. Workman, Clark and Co., Belfast.

1881. Hardingham, George Gatton Melhuish, Clun House, Surrey Street, London, W.C. [*Hardingham, London.*]

1903. Hardisty, John, Bridge House, Chesterfield.

1883. Hardy, John George, 13 Riemergasse, Stadt, Vienna.

1869. Harfield, William Horatio, Arundel House, Thames Embankment, London, W.C. [*Harfield, London.*]

1887. Hargraves, Richard, 4 Richmond Terrace, Blackburn.

1888. Harker, William, Messrs. Richard Schram and Co., Cannon Street House, London, E.C. [*Schram, London.*]

1898. Harlock, Edward Baker, Messrs. Brunner, Mond and Co., Middlewich.

1894. Harmer, Oscar, Messrs. Alfred Herbert and Co., Coventry; and Dalhousie, Spencer Park, Coventry.

1899. Harrap, George Thomas, 5 Budge Row, Cannon Street, London, E.C.

1891. Harris, Gordon, Messrs. Merryweather and Sons, Fire-Engine Works, Greenwich Road, London, S.E.

1879. Harris, Henry Graham, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W. [*Wellbram, London.* Westminster 60.]

1900. Harris, Lloyd Price, 156 Crofton Park Road, Brockley, London, S.E.

1873. Harris, Richard Henry (*Life Member*), Oak Hill, Surbiton, R.O., near Kingston-on-Thames.

1902. Harris, William, Marine Engineer, Great Western Railway, Paddington, London, W.

1877. Harris, William Wallington, Messrs. A. M. Perkins and Son, 6 Seaford Street, Regent Square, London, W.C.; and 24 Alexandra Road, Hornsey, London, N.

1900. Harrison, Campbell Grove, Bundle Hill, Halesowen, Birmingham.

1898. Harrison, Frank, Messrs. Marshall, Sons and Co., 99 Clive Street, Calcutta, India.

1885. Harrison, Frederick Henry, Lincoln Malleable Iron Works, Lincoln. [*Malleable, Lincoln.*]

1888. Harrison, George, Messrs. D. Young and Co., 11 and 12 Southampton Buildings, London, W.C. [*Junkring, London.* Holborn 893.]

1889. Harrison, Major Gilbert Harwood, R.E., R.E. Committee Office, Brompton Barracks, Chatham.

1885. Harrison, Joseph, Royal College of Science, Exhibition Road, South Kensington, London, S.W.

1891. Harrison, Joseph Hutchinson, Messrs. Howson and Harrison, 2 Exchange Place, Middlesbrough; and Clifford Villa, Coatham, Redcar.

1887. Harrison, Thomas Henry, Messrs. Davey Paxman and Co., 78 Queen Victoria Street, London, E.C.

1894. Harrison, William John, Locomotive Superintendent, Cia. Paulista, Rio Claro, São Paulo, Brazil; and 44 Bournemouth Road, Folkestone.

1890. Harrison, William Robert, 21 Scale Lane, Hull. [*Arbitrate, Hull.* 375.]

1883. Hart, Frederick, 36 Prospect Street, Poughkeepsie, New York, United States.

1901. Hartley, William Archbold, Messrs. Charles Cammell and Co., Cyclops Steel and Iron Works, Sheffield.

1872. Hartnell, Wilson, Volt Works, Leeds. [*Hartnell, Leeds.* 282.]

1892. Harvey, Francis Haniel, Messrs. Harvey and Co., Hayle Foundry, Hayle, Cornwall.

1896. Harvey, Julius, 11 Queen Victoria Street, London, E.C. [*Crosshead, London.*]

1883. Harvey, Sir Robert, 1 Palace Gate, London, W.

1897. Harvey, Robert, Managing Director, Messrs. McOnie, Harvey and Co., 27 Mincing Lane, London, E.C.

1878. Harwood, Robert, Soho Iron Works, Bolton.

1881. Haslam, Sir Alfred Seale, M.P., Union Foundry, Derby. [*Zero, Derby.*]

1898. Haslam, William Gilbert, Union Foundry, Derby.

1902. Haswell, Frederick John, Hull Hydraulic Power Co., Machell Street, Hull.

1899. Hatch, William Thomas, Engineer-in-Chief, Metropolitan Asylums Board, Victoria Embankment, London, E.C.

1900. Hattersley, Robert Lund, Woodsend Works, Flixton, near Manchester.

1885. Hatton, Robert James, Henley's Telegraph Works, North Woolwich, London, E.

1892. Hawkins, Rupert Skelton, Locomotive and Carriage Superintendent, Assam and Bengal Railway, Pahartali P.O., Chittagong, India.

1861. Hawkins, William Bailey, 39 Lombard Street, London, E.C.

1901. Hawks, Nicholas Swanson, Manager and Superintendent Engineer, Albert Dock Engine Works, Royal Albert Dock, London, E.

1870. Hawksley, Charles, 30 Great George Street, Westminster, S.W.

1891. Hawksley, George William, Brightside Boiler and Engine Works, Savile Street East, Sheffield. [*Hawksley, Sheffield.* 327.]

1900. Hawksley, Kenneth Phipson, 30 Great George Street, Westminster, S.W.

1882. Hayes, Edward, Watling Works, Stony Stratford. [*Hayes, Stony Stratford.*]

1879. Hayes, John, 11 Church Street, Carnarvon.

1902. Hayward, Thomas William Alfred, Borough Surveyor and Engineer, Stamford.

1885. Head, Archibald Potter, Messrs. Jeremiah Head and Son, 47 Victoria Street, Westminster, S.W. [*Principium, London.* Westminster 237]; and Queen's Square, Middlesbrough.

1888. Head, Harold Ellershaw, 57 Wynnstay Gardens, Kensington, London, W.

1903. Heald, James Arthur, Mechanical Engineer Superintendent, Cardiff Rollingstock Works, East Moors, Cardiff.

1857. Healey, Edward Charles, 33 Norfolk Street, Strand, London, W.C.

1890. Heap, Ray Douglas Theodore, Royal Arsenal, Woolwich.

1872. Heap, William, 28 Chapel Street, Liverpool. [*Metal, Liverpool. Central 809.*]

1898. Hearson, Hugh Reginald, 1 The Bund, Shanghai, China.

1898. Heath, Ashton Marler, Office of the Crown Agents for the Colonies, Whitehall Gardens, London, S.W.

1899. Heath, Elijah Arthur, Messrs. Dick, Kerr and Co., 110 Cannon Street, London, E.C.

1889. Heath, George Wilson, Messrs. Heath and Co., Observatory Works, Crayford, Kent.

1888. Heatly, Harry, Messrs. Heatly and Gresham, 110 Cannon Street, London, E.C.; and Ballygunge, West Hill Road, Wandsworth, London, S.W.

1897. Heaton, Charles, Brades Steel Works, near Birmingham. [*Brades, Birmingham.*]

1897. Heaton, George, Brades Steel Works, near Birmingham. [*Brades, Birmingham.*] (Former Member 1860-1869.)

1899. Hedley, Robert, 3 Summerhill Grove, Newcastle-on-Tyne.

1875. Heenan, Hammersley, Messrs. Heenan and Froude, Newton Heath Iron Works, near Manchester; and The Manor House, Wilmslow, near Manchester. [*Spherical, Newton Heath. 966 A.*]

1895. Heinke, Edwin Harry Alfred, care of Miss F. Heinke, 6 Downleaze, Stoke Bishop, near Bristol.

1879. Hele-Shaw, Henry Selby, LL.D., F.R.S., Professor of Engineering, The University, Liverpool.

1901. Helme, Edward Tyas, Low Moor Iron Works, near Bradford.

1888. Henning, Gustavus Charles, 521 W 142nd Street, New York, United States.

1879. Henriques, Cecil Quixam, Messrs. John H. Wilson and Co., 15 Victoria Street, Westminster, S.W. [*Drague, London.*]

1875. Hepburn, George, Redcross Chambers, Redcross Street, Liverpool. [*Hepburn, Liverpool.*]

1900. Hepworth, John William, Messrs. Alcock, Ashdown and Co., Bombay, India.

1892. Herbert, Alfred, Machine-Tool Works, Coventry; and Fieldgate Lane, Kenilworth. [*Lathe, Coventry. 52.*]

1893. Herbert, Charles, 35 Queen Victoria Street, London, E.C. [*Mancunian, London.*]

1893. Herber, George Henry, Messrs. Richard Hornsby and Sons, 75A Queen Victoria Street, London, E.C.

1894. Herman, Benjamin Richard, Messrs. B. R. Herman and Co., McLeod Road, Karachi, India. [*Herman, Karachi.* 47.]

1884. Hernu, Arthur Henry, 69 Victoria Street, Westminster, S.W.

1894. Herriot, William Scott, 19 Kier Street, Pollokshields, Glasgow.

1884. Hervey, Matthew Wilson, East Bilney Hall, East Dereham.

1879. Hesketh, Everard, Messrs. J. and E. Hall, Iron Works, Dartford. [*Hesketh, Dartford.*]

1897. Hetherington, Edward Palmer, Messrs. John Hetherington and Sons, Vulcan Works, Pollard Street, Manchester.

1872. Hewlett, Alfred, Haseley Manor, Warwick.

1885. Hicken, Thomas, Messrs. Agar, Cross and Co., 136 Calle Defensa, Buenos Aires, Argentine Republic: (or care of Miss Hicken, Bourton, near Rugby.)

1896. Higby, Robert George, Sitarampur, Bengal, India.

1894. Higginbottom, Lloyd, Messrs. Higginbottom and Mannock, Crown Iron Works, West Gorton, Manchester.

1902. Hignett, Arthur Holland, Engineer-in-Chief, Messrs. A. Guinness Son and Co., St. James' Gate Brewery, Dublin.

1879. Higson, Jacob, Crown Buildings, 18 Booth Street, Manchester.

1903. Hildred, Charles William, Messrs. R. Waygood and Co., Falmouth Road, Great Dover Street, London, S.E.

1901. Hill, Alfred John, Manager, Locomotive, Carriage and Wagon Works, Great Eastern Railway, Stratford, London, E.

1902. Hill, Edmund Lewin, General Manager, South Wales Electrical Power Distribution Co., Royal Chambers, Queen Street, Cardiff.

1883. Hill, John Kershaw, Engineer and Manager, West Surrey Water Works, High Street, Walton-on-Thames.

1901. Hill, Joseph, St. George's Engineering Works, Wood's Lane, Derby. [*Hill, Derby.* 227.]

1885. Hill, Robert Anderson, 14 Third Avenue, Hove, Sussex.

1900. Hill, Walter Scott, Engineer Lieut. R.N., care of Walter Hill, Rosebank, Peterborough.

1890. Hiller, Edward George, Chief Engineer, National Boiler Insurance Co., 22 St. Ann's Square, Manchester.

1882. Hiller, Henry, Consulting Engineer, National Boiler Insurance Co., 22 St. Ann's Square, Manchester; and Athelney, Stanley Road, Alexandra Park, Manchester.

1899. Hiller, Henry King, Engineer, Gas Company, Shanghai, China.

1873. Hilton, Franklin, 27 Duke Street, Southport.

1898. Hipkins, William Edward, Managing Director, Messrs. James Watt and Co., Soho Foundry, Smethwick, Birmingham.

1897. Hiraoka, Hiroshi, Hiraoka Engineering Works, Honjo, Tokyo, Japan.
 [Herocar, Tokyo.]

1897. Hirst, James, Chief Engineer, Mount Morgan Gold Mining Co., Mount Morgan, Queensland.

1896. Hitchcock, Cyril, 32 Clapham Mansions, London, S.W.

1899. Hitchins, Charles Faunce, 25 Victoria Street, Westminster, S.W.; and Junior Constitutional Club, Piccadilly, London, W.

1898. Hobbs, Charles James, Hydraulic Engineering Co., 9 Bridge Street, Westminster, S.W.

1900. Hobson, John Edward, Oaklands, Cheadle, Cheshire.

1891. Hodge, Arthur, Institution of Mining and Metallurgy, 722 Salisbury House, London Wall, London, E.C.

1891. Hedges, Frank Grattidge, care of A. W. Allen, Accountant's Office, Midland Railway, Derby.

1897. Hedges, Frank William, Vauxhall Iron Works, Wandsworth Road, London, S.W.; and Alma, Balaclava Road, Surbiton.

1896. Hedges, Marcus Henry, Messrs. Hedges Brothers, City Basin Iron Works, Exeter.

1870. Hedges, Petronius, Messrs. Charles Cammell and Co., Cyclops Steel and Iron Works, Sheffield.

1880. Hodgson, Charles, Messrs. Saxby and Farmer, Railway Signal Works, Canterbury Road, Kilburn, London, N.W. [Signalmen, London. Kilburn 421.]

1901. Hodgson, Ealey, Mansion House Chambers, 20 Bucklersbury, London, E.C. [Torquated, London. 8374 Bank.]

1889. Hodgson, George Herbert, Frizinghall Works, Bradford.

1899. Hodgson, Henry, Sarnia, Conway Road, Colwyn Bay.

1892. Hodgson, Henry Edwin, Brookhouse Iron Works, Cleckheaton, S.O., Yorkshire.

1900. Hodgson, William, Messrs. Hodgson and Stead, Egerton Iron Works, Windsor Street, Salford, Manchester. [Weighing, Manchester. 1461.]

1891. Hogarth, Thomas Oswald, Great Western Railway Works, Saltney, Chester.

1889. Hoggins, Alfred Farquharson, Brush Electrical Engineering Co., Falcon Works, Loughborough.

1866. Holcroft, Thomas, Bilston Foundry, Bilston.

1886. Holden, James, Locomotive Superintendent, Great Eastern Railway, Stratford Works, London, E.

1895. Holgate, Charles Henzell, School Close Works, Leeds.

1895. Holliday, John, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1899. Hollingsworth, Allen Alexander, Messrs. Henry Bessemer and Co., Carlisle Street East, Sheffield.

1896. Holman, Frederick, Messrs. N. Holman and Sons, Penzance Foundry, Penzance.

1891. Holman, Hugh Wilson, Messrs. E. J. Caiger and Co., 4 Lloyd's Avenue, Fenchurch Street, London, E.C. [*Caiger, London.*]

1899. Holmes, John Henry, Portland Road, Newcastle-on-Tyne; and Wellburn, Jesmond, Newcastle-on-Tyne.

1896. Holmes, Percy Frederick, Messrs. W. C. Holmes and Co., Whitestone Iron Works and Turnbridge Foundries, Huddersfield. [*Holmes, Huddersfield.* 113.]

1892. Holmström, Carl Albert, Ravelston, Helensburgh.

1888. Homan, Harold, Messrs. Homan and Rodgers, 10 Marsden Street, Manchester. [*Namoh, Manchester.* 637.]

1903. Homersham, Thomas Henry Collett, Works Manager, Messrs. Thwaites Brothers, Vulcan Iron Works, Bradford.

1895. Homfray, Samuel George, Sir W. G. Armstrong, Whitworth and Co., 8 Great George Street, Westminster, S.W.

1898. Honiball, Charles Roland, Maritime Engine Works, 147 Great Mersey Street, Liverpool. [*Honiball, Liverpool.* Central 5755.]

1890. Hooker, Benjamin, Blackhorse Lane, Walthamstow, London, N.E.

1892. Hope, John Basil, Assistant Locomotive Superintendent, Midland Great Western Railway, Dublin.

1885. Hopkinson, Charles, Werneth Chambers, 29 Princess Street, Manchester.

1894. Hopkinson, Edward, D.Sc., Messrs. Mather and Platt, Salford Iron Works, Manchester.

1877. Hopkinson, Joseph, Messrs. Joseph Hopkinson and Co., Britannia Works, Huddersfield. [*Hopkinson, Huddersfield.* 169.]

1890. Hopper, Allan, Messrs. William Hopper and Co., Moscow, Russia.

1890. Hopper, James Russell, Messrs. William Hopper and Co., Moscow, Russia.

1889. Hopwood, John, Locomotive Superintendent, Argentine Great Western Railway, Mendoza, Argentine Republic.

1880. Hornsby, James, Messrs. Richard Hornsby and Sons, Spittlegate Iron Works, Grantham. [*Hornsby, Grantham.*]

1891. Horsfield, Ralph, Messrs. Ralph Horsfield and Co., Bredbury, Woodley, Stockport.

1873. Horsley, Charles, 22 Wharf Road, City Road, London, N.

1892. Horsnell, Daniel, 79 Farringdon Road, London, E.C.

1868. Horton, Enoch, Alma Works, Darlaston, near Wednesbury.

1886. Hosgood, John Howell, Locomotive and Hydraulic Superintendent, Barry Dock and Railways, Barry, near Cardiff.

1899. Hosgood, Octavius Sidney, Electric Light and Tramways Department, Roath Power Station, Roath, Cardiff.

1891. Hosgood, Walter James, Locomotive Department, Port Talbot Railway and Docks, Port Talbot.

1889. Hosken, Richard, P.O. Box 667, Johannesburg, Transvaal, South Africa: (or care of J. Hosken, 27 Mincing Lane, London, E.C.)

1902. Hoskins, George John, Messrs. G. and C. Hoskins, Sydney, New South Wales.

1901. Hough, Edward Stamford, Fenchurch Station Chambers, 66 Fenchurch Street, London, E.C.

1866. Houghton, John Campbell Arthur, Sparnon, Torquay.

1889. Houghton, Thomas Harry, 63 Pitt Street, Sydney, New South Wales. [*Expansion, Sydney.*]

1896. House, Henry Alonzo, Bridgeport, Connecticut, United States.

1895. House, Henry Alonzo, Jun., Liquid Fuel Engineering Co., Hamworthy, Poole.

1864. Howard, Eliot, Messrs. Hayward Tyler and Co., 90 Whitecross Street, London, E.C.

1897. Howard, Henry Fox, Messrs. Hayward, Tyler and Co., 90 Whitecross Street, London, E.C.

1879. Howard, James Harold, Britannia Iron Works, Bedford; and The Grange, Kempston, Bedford.

1882. Howard, John William, Gloucester Wagon Works, Gloucester.

1896. Howarth, Alfred Montgomery, Railway Construction Department, Public Works Office, Sydney, New South Wales.

1885. Howarth, William, Manager, Oldham Boiler Works, Oldham. [*Boilers, Oldham.*]

1901. Howe, Henry Bryant, General Works Manager, Government Railways, Eveleigh Works, Sydney, New South Wales.

1861. Howell, Joseph Bennett, Messrs. Howell and Co., Brook Steel Works, Brookhill, Sheffield [*Howell, Sheffield.*]; and The Tower, Hathersage, near Sheffield.

1877. Howell, Samuel Earnshaw, Messrs. Howell and Co., Brook Steel Works, Brookhill, Sheffield. [*Howell, Sheffield.*]

1882. Howl, Edmund, Messrs. Lee Howl and Co., Tipton. [*Howl, Tipton.*]

1877. Howlett, Francis, Messrs. Clayton, Howlett and Co., 28 Victoria Street, Westminster, S.W. [*Brickpress, London.*]

1891. Hoy, Henry Albert, Messrs. Beyer, Peacock and Co., Gorton Foundry, Manchester; and Springfield, Bromley Cross, Bolton.

1887. Hoyle, James Rossiter, Messrs. Thomas Firth and Sons, Norfolk Works, Sheffield.

1891. Hubback, Charles Arbuthnot, Locomotive Superintendent, Nitrate Railways Co., Iquique, Chile.

1898. Hudson, Francis James, District Locomotive Superintendent, Midland Railway, Gorton, Manchester; and Earnock, Marple, Stockport.

1882. Hudson, John George, Messrs. Hick Hargreaves and Co., Soho Iron Works, Crook Street, Bolton; and Glenholme, Bromley Cross, Bolton.

1884. Hudson, Robert, Gildersome Foundry, near Leeds [*Gildersome, Leeds. Central 14.*]; and Weetwood Mount, Headingley, near Leeds. [*Headingley 4.*]

1893. Hudson, William, Stocks Lane, Stalybridge.

1881. Hughes, Edward William Mackenzie, 53 Victoria Street, Westminster, S.W.; and 69 Thurlow Park Road, West Dulwich, London, S.E. [*Yeldrin, London.*]

1899. Hughes, George, Chief Mechanical Engineer, Lancashire and Yorkshire Railway, Horwich, near Bolton.

1867. Hughes, George Douglas, Leen Side Works, Nottingham.

1898. Hughes, George Henry, 97 Queen Victoria Street, London, E.C.; and 1 Marlborough Road, Lee, Lewisham, London, S.E. [*5754 Bank.*]

1889. Hughes, John, Messrs. Hughes and Lancaster, 47 Victoria Street, Westminster, S.W.

1891. Hughes, Robert M., District Engineer, Bengal-Nagpur Railway, Chakardharpur, Bengal, India.

1900. Hughes, Thomas William Robert, 59 Catford Hill, London, S.E.

1902. Hulley, Richard Dodson, General Manager, Messrs. Royce, Cooke Street, Hulme, Manchester. [*Switch, Manchester. 772 and 3562.*]

1903. Humpage, Thomas, Messrs. Humpage, Jacques and Pedersen, Ashton Gate, Bristol.

1899. Humphrey, Herbert Alfred, 38 Victoria Street, Westminster, S.W. [*Gazonner, London.*]

1900. Humphreys, Henry Howard, 28 Victoria Street, Westminster, S.W.

1866. Humphrys, Robert Harry, Messrs. Humphrys Tennant and Co., Deptford Pier, London, S.E.

1898. Hunt, Robert Woolston, 1137 The Rookery, Chicago, Illinois, United States.

1901. Hunt, William, Messrs. Hunt, Sons and Bright, 48 and 50 London Road, Nottingham.

1899. Hunter, George Lewis, Messrs. T. and W. Smith, Guildhall, Newcastle-on-Tyne.

1886. Hunter, John, Messrs. Campbells and Hunter, Dolphin Foundry, Saynor Road, Hunslet, Leeds.

1902. Hunter, Summers, General Manager, North Eastern Marine Engineering Co., Wallsend, R.S.O., Northumberland. [*News, Wallsend.*]

1877. Hunter, Walter, 17 Victoria Street, Westminster, S.W. [*Westminster 75.*]

1900. Hurst, Isaac Edwin, Engineer Captain R.N., H.M.S. "Vengeance," China Squadron.

1899. Hutson, Charles Alfred, Messrs. C. A. Hutson and Co., Ceylon Engineering Works, Colombo, Ceylon.

1888. Huxley, George, 20 Mouunt Street, Manchester.

1894. Hyde, George Herbert (*Life Member*), Government Factory, Colombo, Ceylon.

1885. Hyland, John Frank, Government Railways, Sekondi, Gold Coast, West Africa: (or care of Messrs. Lewis and Hyland, New Rents, Ashford, Kent.)

1900. Iddon, James, Brookfield Iron Works, Leyland, near Preston.

1896. Iden, George, Hopedale, Spencer Park, Coventry.

1882. Ingham, William, 11 Blackfriars Street, Manchester. [4626.]

1895. Ingham, William, Town Hall, Port Elizabeth, Cape Colony.

1888. Ingleby, Joseph, 20 Mount Street, Manchester.

1903. Ingram, Samuel, County Surveyor, Whipton, Exeter.

1883. Instone, Thomas, 101 Leadenhall Street, London, E.C.

1894. Irons, Charles Risbee, 11 Kyverdale Road, Stoke Newington, London, N.

1892. Irons, Thomas, Messrs. Hudson Brothers, Clyde Engineering Works, Granville, New South Wales.

1898. Irwin, Delacherois Hastings, Managing Director, Messrs. Crossley Brothers, Openshaw, Manchester. [*Crossleys, Openshaw.*]

1895. Isaac, Robert, Messrs. Owen, Isaac and Owen, Union Iron Works, Portmadoc. [*Isaac, Portmadoc.*]

1887. Ivatt, Henry Alfred, Locomotive Engineer, Great Northern Railway, Doncaster.

1884. Jacks, Thomas William Moseley, Parkhead Steel Works, Glasgow; and 7 Clarence Drive, Kelvininside, Glasgow.

1898. Jackson, Algernon Brooker, 16 Great Tower Street, London, E.C.

1899. Jackson, Sir John, LL.D., F.R.S.E., 53 Victoria Street, Westminster, S.W. [*Cofferdam, London.*]

1895. Jackson, Robert Cattley, British Thomson-Houston Co., Rugby.

1886. Jackson, Thomas, Woodlands View, Horsforth, near Leeds.

1889. Jackson, William, Thorn Grove, Mannofield, Aberdeen.

1876. Jacobs, Charles Mattathias, 78 Gracechurch Street, London, E.C.
[*Vexillum, London.*]

1901. Jacobs, Lieut. Joseph John, R.E., 63 Marine Parade, Sheerness.

1878. Jakeman, Christopher John Wallace, Manager, Messrs. Merryweather and Sons, Tram Locomotive Works, Greenwich Road, London, S.E.

1893. James, Arthur William, Calcutta Landing and Shipping Co., 24 Strand Road, Calcutta, India.

1900. James, Charles, Jun., Messrs. Richard Hornsby and Sons, Spittlegate Iron Works, Grantham.

1889. James, Charles William, 48 Ardgowan Road, Catford, London, S.E.

1895. James, Christopher William, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1895. James, Enoch, Glan-y-llyn, Roath Park, Cardiff.

1899. James, Herbert Holland, care of Frank James, Silkmore Hall, Stafford.

1889. James, Reginald William, 1 Queen Victoria Street, London, E.C.

1899. James, Thomas, Carriage and Wagon Department, Midland Railway, Derby.

1898. James, William Henry, College of Engineering, Madras, India.

1879. Jameson, George, Messrs. John Jameson and Son, Bow Street Distillery, Dublin.

1881. Jameson, John, Messrs. Jameson and Schaeffer, 2 Akenside Hill, Newcastle-on-Tyne. [*Jameson, Newcastle-on-Tyne.* P.O. 226.]

1888. Jaques, Captain William Henry, 483 Beacon Street, Boston, Mass., United States.

1888. Jeejeebhoy, Piroshaw Bomanjee, 17 Church Street, Bombay, India.

1901. Jefferies, Harold Sellis, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich. [*Ransomes, Ipswich.* 11.]

1881. Jefferiss, Thomas, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham. [*Tangyes, Birmingham.*]

1877. Jeffreys, Edward Homer, Hawkhills, Chapel Allerton, Leeds.

1902. Jeffreys, John, 11 Old Queen Street, Westminster, S.W. [482 Westminster.]

1901. Jenkin, Bernard Maxwell, 17 Victoria Street, Westminster, S.W.
[*Kinematic, London.*]

1893. Jenkin, Charles Frewen, Nearcross, Stafford.

1894. Jenkin, Thomas Henry, Messrs. J. Jamieson and Co., Queen's Dock Chambers, Hull. [*Propeller, Hull.* 94.]

1880. Jenkins, Rhys, 10 Berkeley Road, Crouch End, London, N.

1892. Jenkins, William John, Messrs. W. J. Jenkins and Co., Beehive Works, Retford.

1903. Jenkinson, Edward Henry, Messrs. W. and A. McArthur, 15 Macquarie Place, Sydney, New South Wales.

1896. Jenkinson, Thomas, Messrs. Pilkington Brothers, Plate Glass Works, St. Helens, Lancashire.

1893. Jennings, Henry Horwood, Messrs. Edwin Oldroyd and Co., Crown Works, Leeds. [*Calorifics, Leeds.* Central 241.]

1878. Jensen, Peter, 77 Chancery Lane, London, W.C. [*Venture, London.*]

1902. Jepson, James Thomas, 18 Bainbridge Road, Headingley, Leeds.

1889. Jessop, George, Messrs. Jessop and Appleby Brothers, London Steam-Crane and Engine Works, Leicester. [*Jessop, Leicester.*]

1897. Johns, Cosmo, Messrs. Vickers, Sons and Maxim, River Don Works, Sheffield.

1896. Johnson, Andrew, 120 Nithsdale Road, Glasgow.

1890. Johnson, John William, care of Baron L. Knoop, Maison de la Banque des Marchands, Ilyinka, Moscow, Russia.

1891. Johnson, Lacey Robert, Assistant Superintendent of Rolling Stock, Canadian Pacific Railway, Montreal, Canada.

1888. Johnson, Lawrence Potter, Deputy Locomotive Superintendent, Burma Railways, Insein, Burma.

1861. Johnson, Samuel Waite, Lenton House, Lenton Road, The Park, Nottingham.

1896. Johnston, James, Chief Engineer, Brighton Corporation Water Works, 12 Bond Street, Brighton. [140.]

1895. Johnstone, Major James Henry L'Estrange, M.V.O., R.E. (*Life Member*), President, Egyptian Railway and Telegraph Administration, Cairo, Egypt.

1882. Jolin, Philip, 25 Temple Street, Bristol.

1891. Jones, Charles Frederick, 85 Davenport Street, Bolton.

1871. Jones, Charles Henry, Assistant Locomotive Superintendent, Midland Railway, Derby.

1873. Jones, Edward, Broomfield House, Perry Barr, Birmingham.

1884. Jones, Felix, Messrs. Jones and Foster, 39 Bloomsbury Street, Birmingham.

1878. Jones, Frederick Robert, Superintending Engineer, Sirmoor State, Nahan, near Umballa, Punjaub, India: (or care of Messrs. Richard W. Jones and Co., Newport, Monmouthshire.)

1867. Jones, George Edward, Locomotive, Carriage and Wagon Superintendent, Eastern Bengal State Railway, Kanchrapara, Bengal, India.

1903. Jones, George Phillips, Works Manager, Messrs. John Jones and Sons, Britannia Foundry, Loughborough; and Forest Road, Loughborough.

1878. Jones, Harry Edward, 142-3 Palace Chambers, Bridge Street, Westminster, S.W.

1881. Jones, Herbert Edward, Locomotive, Carriage and Wagon Superintendent, Cambrian Railways, Oswestry.

1890. Jones, Morlais Glasfryn, 6 Delahay Street, Westminster, S.W.

1882. Jones, Samuel Gilbert, Steanbridge House, near Stroud, Gloucestershire.

1887. Jones, Thomas, Central Board School, Deansgate, Manchester; and 4 Manley Road, Alexandra Park, Manchester.

1900. Jones, Walter, Titan Works, Stourbridge.

1872. Jones, William Richard Sumption, 4 Whitehall Court, London, S.W.

1883. Jordan, Edward, Manager, Cardiff Junction Dry Dock and Engineering Works, Cardiff.

1891. Jordan, Henry George, Jun., Municipal School of Technology, Sackville Street, Manchester; and 6 Manley Road, Whalley Range, Manchester.

1891. Judd, Joseph Henry, Education Offices, Deansgate, Manchester.

1884. Justice, Howard Rudolph, 55 and 56 Chancery Lane, London, W.C. [*Syng, London. Holborn 3.*]

1888. Kapteyn, Albert, 11 Kurhausstrasse, Zürich, Switzerland.

1899. Kay, George, Queen's Road, Nottingham. [*Kay, Nottingham. 855.*]

1900. Keatinge, Sherbrooke Augustus John, Indian State Railways, Lucknow, India.

1869. Keen, Arthur, London Works, near Birmingham. [*Globe, Birmingham.*]

1883. Keen, Francis Watkins, London Works, near Birmingham.

1901. Keightley, Alfred Percival, Messrs. Marshall, Sons and Co., 8 Hummmum Street, Bombay, India.

1899. Kekewich, George Ormond, Middlesex County Council, Guildhall, Westminster, S.W. [*Westminster 218.*]

1881. Kendal, Ramsey, Locomotive Department, North Eastern Railway, Darlington.

1879. Kennedy, Alexander Blackie William, LL.D., F.R.S., Emeritus Professor of Engineering, University College, London: 17 Victoria Street, Westminster, S.W. [*Kinematic, London.*]

1892. Kennedy, Thomas, The Glenfield Engineering Works, Kilmarnock.

1875. Kenrick, George Hamilton, Messrs. A. Kenrick and Sons, Spon Lane, West Bromwich; and Whetstone, Somerset Road, Edgbaston, Birmingham.

1902. Kenrick, John Archibald, Messrs. Archibald Kenrick and Sons, Spon Lane, West Bromwich; and Harborne House, Harborne, Birmingham.

1892. Kensington, Frederick, 2 Copthall Buildings, London, E.C.

1896. Kerr, Alfred Ernest Campbell (*Life Member*), 161 Dana Street, Ballarat, Victoria.

1866. Kershaw, John, Villa Eugénie-Louise, Boulevard des Moulins, Monte Carlo, France.

1884. Kershaw, Thomas Edward, Ardnacoomb, King's Norton, Birmingham.

1903. Kett, George, General Manager, Deptford Engineering Co., High Street, Deptford, London, S.E.

1885. Keyworth, Thomas Egerton, Central Cuban Railways, Sagua la Grande, Cuba: (or care of J. R. H. Keyworth, 28 Grosvenor Road, Birkenhead.)

1885. Kidd, Hector, Colonial Sugar Refining Co., Sydney, New South Wales.

1894. Kiernan, George, Manager, Messrs. Gresham and Craven, Craven Iron Works, Salford, Manchester.

1888. Kikuchi, Kyozo, Superintendent Engineer, Hirano Spinning Mill, Osaka, Japan.

1899. Kilgour, Martin Hamilton, Borough Electrical Engineer, Electric Works Offices, 2 Church Street, Cheltenham.

1895. King, Charles Penrose, Resident Engineer, Ilkeston and Heanor Water Works; 3 Clarence Terrace, Holme Road, Matlock-Bath.

1900. King, Charles Philip, Works Manager, Messrs. Hayward Brothers and Eckstein, Union Iron Works, 187-193 Union Street, Borough, London, S.E.; and 67 Upper Richmond Road, Putney, London, S.W.

1897. King, Henry Charles, Great Western Railway Works, Swindon.

1895. King, Thomas Scott, 8 Old Heath Road, Colchester.

1872. King, William, Engineer, Liverpool United Gas Works, Duke Street, Liverpool.

1893. Kinghorn, John Warden, care of Messrs. Jardine Matheson and Co., Hong Kong, China.

1877. Kirk, Henry, Messrs. Kirk Brothers and Co., New Yard Iron Works, Workington. [*Kirks, Workington.*]

1884. Kirkaldy, John, 101 Leadenhall Street, London, E.C. [*Compactum, London.*]

1899. Kirkaldy, William George, 99 Southwark Street, London, S.E. [Hop 203.]

1875. Kirkwood, James, R.S. "Chuen Tiao," Imperial Maritime Customs, Kowloon, Hong Kong, China.

1902. Kitching, Alfred, Superintendent Engineer, Ocean Steamship Co., Singapore, Straits Settlements.

1859. Kitson, Sir James, Bart., M.P., Monk Bridge Iron Works, Leeds.

1889. Knap, Conrad, 11 Queen Victoria Street, London, E.C.

1886. Knight, Charles Albert, 6 Upper Avenue Road, Hampstead, London, N.W.

1890. Knight, James Percy, Kaiser Steam Tug Co., 27 Great Tower Street, London, E.C. [*Longboat, London. Avenue 203.*]

1903. Knight, William Edward, Acting Locomotive Superintendent, United Railways of Havana, Havana, Cuba.

1900. Knowles, John, Messrs. Bradbury, Brady and Co., Bombay, India.

1896. Kwang, Kwong Yung (*Life Member*), Linsi Colliery; care of the Chinese Engineering and Mining Co., Tientsin, North China.

1898. Lackland, John James, Water Engineer, Town Hall, St. Helens, Lancashire. [69.]

1883. Lake, William Robert, 45 Southampton Buildings, London, W.C. [Scope, London.]

1903. Lambert, Harold, Messrs. Hudswell, Clarke and Co., Railway Foundry, Leeds.

1897. Lambert, William Fraser, Messrs. G. S. Goodwin and Co., 19 James Street, Liverpool.

1883. Lander, Philip Vincent, La Compañia de Obras Publicas, 586 Avenida de Mayo, Buenos Aires, Argentine Republic: (or care of W. W. Lander, Imperial Ottoman Bank, 26 Throgmorton Street, London, E.C.)

1896. Lane, Francis Lawrence, Works Manager, Leeds Forge, Leeds.

1881. Langdon, William, Tower Hill, Looe, R.S.O., Cornwall.

1881. Lange, Frederick Montague Townshend, 72a St. Thomas Street, Bermondsey, London, S.E.

1879. Lapage, Richard Herbert, Sheen House, Walmer. [*Lapage, Walmer*.]

1895. Larard, Charles Edward, Engineering Department, Northampton Institute, Clerkenwell, London, E.C.

1899. Lash, Horatio William, Manager, Albion Works, Sheffield.

1888. Latham, Baldwin, Parliament Mansions, Victoria Street, Westminster, S.W.; and Duppas House, Old Town, Croydon.

1899. Latta, James Gilmore, 78 Billiter Buildings, London, E.C.

1890. Laurie, Leonard George, 15 Cardiff Road, Newport, Monmouthshire.

1867. Lawrence, Henry, 7 and 8 Post Office Chambers, Newcastle-on-Tyne.

1893. Lawrie, James, Government Marine Surveyors' Office, Penang, Straits Settlements.

1874. Laws, William George, Borough Engineer and Town Surveyor, Town Hall, Newcastle-on-Tyne; and 65 Osborne Road, Newcastle-on-Tyne. [*Engineer, Newcastle-on-Tyne*.]

1882. Lawson, Frederick William, Messrs. Samuel Lawson and Sons, Hope Foundry, Leeds.

1870. Layborn, Daniel, Messrs. Daniel Layborn and Co., Dutton Street, Liverpool.

1883. Laycock, William S., Victoria Street Works, Sheffield; and Ranmoor, Sheffield. [*Invention, Sheffield*. 907.]

1902. Lazenby, Arthur, Messrs. Willans and Robinson, Victoria Works, Rugby.

1860. Lea, Henry, Messrs. Henry Lea and Son, 38 Bennett's Hill, Birmingham.
[*Engineer, Birmingham.* 113.]

1892. Lea, Richard Henry, Messrs. Lea and Francis, Coventry.

1889. Leaf, Henry Meredith, 4 Barton Street, Westminster, S.W.

1883: Leavitt, Erasmus Darwin, 604 Main Street, Cambridgeport, Massachusetts, United States.

1890. Ledingham, John Machray, Royal Laboratory, Royal Arsenal, Woolwich.

1862. Lee, J. C. Frank, 6 Great Winchester Street, London, E.C.

1892. Lee, Richard John, Messrs. Harrison, Lee and Sons, City Foundry, Limerick.

1890. Lee, Samuel Edward, Messrs. Harrison, Lee and Sons, City Foundry, Limerick.

1863. Lees, Samuel, Messrs. H. Lees and Sons, Park Bridge Iron Works, Ashton-under-Lyne.

1889. Legros, Lucien Alphonse, 57 Brook Green, Hammersmith, London, W.

1896. Leisse, George Charles, Messrs. John Fowler and Co., Steam Plough and Locomotive Works, Leeds.

1897. Leitch, Archibald, 40 St. Enoch Square, Glasgow. [*Tracing, Glasgow Royal* 5197.]

1898. Leopard, Charles William, 52 Queen Victoria Street, London, E.C. [Bank 657.]

1901. Leslie, William, Resident Engineer, Harbour Works, Fremantle, Western Australia.

1878. Lewis, Gilbert, 30 Lapwing Lane, West Didsbury, Manchester. [*Hydraulic, West Didsbury.*]

1884. Lewis, Sir William Thomas, Bart., Bute Mineral Estate Office, Aberdare; and Mardy, Aberdare.

1894. Liebert, Henry Anton, Messrs. John Holroyd and Co., Perseverance Works, Milnrow, Rochdale.

1880. Lightfoot, Thomas Bell, Cornwall Buildings, 35 Queen Victoria Street, London, E.C. [*Separator, London.*]; and Kemnal Wood, Chislehurst. [*Lightfoot, Chislehurst.*]

1903. Lilly, Walter Elsworthy, Assistant Professor of Civil Engineering, 39 Trinity College, Dublin.

1903. Lindley, Herbert, Manager, Messrs. Kendall and Gent, Victoria Works, Gorton, Manchester.

1901. Lindsay, Robert, Somerville House, Dundee.

1891. Lindsay, William Robertson, 7 Ward Road, Dundee.

1890. Lineham, Wilfrid James, Professor of Engineering and Mechanical Science, The Goldsmiths' Institute, New Cross, London, S.E.; and 21 Newstead Road, Lee, London, S.E.

1902. Lironi, Vittorio Giovanni, Resident Engineer, Portsmouth Corporation Tramways, Power Station, Fratton, Portsmouth.

1876. Lishman, Thomas, Mining Engineer, Hetton Colliery, near Fence Houses.

1881. List, John, Superintendent Engineer, Messrs. Donald Currie and Co., Orchard Works, Blackwall, London, E.; and 3 St. John's Park, Blackheath, London, S.E.

1890. Lister, Robert Ramsbottom, Messrs. Beyer Peacock and Co., Gorton Foundry, Manchester.

1900. Little, Edwin, R.N., Inspector of Machinery, H.M. Dockyard, Simons Town, Cape Colony.

1901. Little, Gilbert, Managing Director, New Conveyor Co., Smethwick, Birmingham. [*Aptitude, Birmingham.* Smethwick 50.]

1890. Livens, Frederick Howard, Messrs. Ruston Proctor and Co., Sheaf Iron Works, Lincoln.

1900. Liversedge, Henry Thomas, Engineer Lieut. R.N., H.M.S. "Sappho," care of Postmaster-General, London, E.C.

1901. Livesey, Sir George Thomas, South Metropolitan Gas Works, Old Kent Road, London, S.E.

1901. Livesey, Robert Martyn, Messrs. Topham, Jones and Railton, H.M. Dockyard Extension, Gibraltar.

1895. Livingston, James, 30 Great St. Helen's, London, E.C. [*Cinerry, London.*]

1903. Livock, Henry Arthur, 58 New Broad Street, London, E.C. [*Puccoon, London.* 928 London Wall.]

1886. Livsey, John Edward, 34 Octavia Street, Battersea, London, S.W.

1867. Lloyd, Charles, Rivoli, Grosvenor Road, Bournemouth.

1882. Lloyd, Robert Samuel, Messrs. Hayward Tyler and Co., 90 Whitecross Street, London, E.C.

1894. Lloyd, Sampson Zachary, Areley Hall, Stourport. [Former Member 1864-1886.]

1897. Loane, Samuel Joshua, Acting Chief Engineer, Madras Municipality, Municipal Office, Madras, India.

1900. Lobb, Christopher, Engineer, Messrs. W. Clowes and Sons, Duke Street, Stamford Street, London, S.E.

1898. Lobnitz, Fred, Messrs. Lobnitz and Co., Renfrew, near Paisley; and Clarence House, Renfrew, near Paisley.

1879. Lockhart, William Stronach, 67 Granville Park, Blackheath, London, S.E.

1901. Longbotham, Robert Hall, Ings Foundry, Wakefield. [Engineer, *Wakefield.* 44.]

1894. Longridge, Captain Cecil Clement, Swan House, Great Swan Alley, Copthall Avenue, London, E.C.

1880. Longridge, Michael, Chief Engineer, Engine and Boiler Insurance Co., 12 King Street, Manchester.

1856. Longridge, Robert Bewick, Managing Director, Engine and Boiler Insurance Co., 12 King Street, Manchester; and Yew Tree House, Tabley, near Knutsford.

1875. Longridge, Robert Charles, Kilrie, Knutsford.

1901. Longdon, Henry Crofts, Managing Director, Messrs. W. Summerscales and Sons, Phoenix Foundry, Keighley. [*Phoenix, Keighley.* 92.]

1880. Longworth, Daniel, Messrs. Alcock, Ashdown and Co., Mazagon, Bombay, India.

1899. Lonnon, William, Engineer Commander R.N., H.M.S. "Orion," Malta.

1887. Lorrain, James Grieve, Norfolk House, Norfolk Street, London, W.C. [*Lorrain, London.*]

1901. Loud, Henry Sherman, General Manager of Works, British Westinghouse Electric and Manufacturing Co., Westinghouse Works, Trafford Park, Manchester.

1888. Low, David Allan, Professor of Engineering, East London Technical College, People's Palace, Mile End Road, London, E.

1885. Low, Robert, Powis Lodge, Vicarage Park, Plumstead.

1903. Low, William, Messrs. James F. Low and Co., Monifieth Foundry, Monifieth, Dundee. [*Low, Monifieth.* 1 Monifieth.]

1873. Lucas, Arthur, 27 Bruton Street, New Bond Street, London, W.

1889. Lucy, Arthur John, The Old Hill, Astley, Stourport.

1897. Lucy, Ernest Edward, Assistant Locomotive Superintendent, Great Western Railway, Stafford Road Works, Wolverhampton.

1886. Lucy, William Theodore, 107 Woodstock Road, Oxford.

1902. Lukis, Wilfrid Ravenshaw Fellowes, Russian Petroleum and Liquid Fuel Co., Baku, Russia.

1895. Lumsden, Thomas Templeton Mackie, Managing Director, Messrs. James Milne and Son, Milton House Works, Edinburgh.

1898. Lunt, Charles Thomas, Vanguard Cycle Co., Walsall. [*Vanguard, Walsall.* 6075.]

1877. Lupton, Arnold, Professor of Mining Engineering, Yorkshire College, Leeds; and 6 De Grey Road, Leeds. [*Arnold Lupton, Leeds.* Central 330.]

1897. Lupton, Hugh, Messrs. Hathorn, Davey and Co., Sun Foundry, Dewsbury Road, Leeds. [*Hathorn, Leeds.* Central 524.]

1887. Lupton, Kenneth, 25 Swanswell Street, Coventry.

1900. Lupton, William Walter, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds; and Malton.

1889. Macallan, George, Debden House, Newport, Essex.

1892. Macbean, John James, Messrs. Howarth Erskine and Co., Singapore, Straits Settlements.

1888. Macbeth, John Bruce King, 44 Tamarind Lane, Bombay, India : (or care of Norman Macbeth, Heaton, Bolton.)

1883. Macbeth, Norman, Messrs. John and Edward Wood, Victoria Foundry, Bolton.

1884. MacCarthy, Samuel, Messrs. Lloyd and Lloyd, 90 Cannon Street, London, E.C.; and 18 Adelaide Road, Brockley, London, S.E.

1877. MacColl, Hector, Bloomfield, Belfast.

1897. MacDonald, David Johnstone, South St. Roque's Works, Dundee. [*Medalist, Dundee.* 239.]

1901. Macdonald, Fitz Charles, Superintendent Engineer, Irrawaddy Flotilla Co., Dalla Dockyard, Rangoon, British Burma, India.

1889. Macdonald, James Alexander, Broad Oaks Iron Works, Chesterfield.

1903. Macdonald, James Turriff Sinclair, Bristol Wagon Works, Lawrence Hill, Bristol.

1899. Macdonald, John, Bridge Turbine Works, Pollokshaws, Glasgow. [*Consulting, Pollokshaws.* Z 243.]

1895. MacGarvey, Howard, Lombard Street Works, Dublin.

1890. Mackay, Joseph, Oriental Avenue, Bangkok, Siam : (or care of Messrs. Barr, Thomson and Co., Kilmarnock.) [*Mackay, Bangkok.*]

1885. MacKenzie, John William, Messrs. Wheatley and MacKenzie, 40 Chancery Lane, London, W.C.; and Oakamoor, Dartnell Park, Byfleet, Weybridge.

1883. Mackenzie, Thomas Brown, Messrs. David Colville and Sons, Dalzell Steel and Iron Works, Motherwell; and Elenslee, Wilson Street, Motherwell.

1875. MacLagan, Robert, Mbami, Blantyre, British Central Africa.

1889. MacLay, Alexander, Professor of Mechanical Engineering, Glasgow and West of Scotland Technical College, 38 Bath Street, Glasgow.

1886. MacLean, Alexander Scott, Messrs. Alexander Scott and Sons, Sugar Refinery, Berry-yards, Greenock; and 31 Bank Street, Greenock.

1877. MacLellan, John A., Messrs. Alley and MacLellan, Sentinel Works, Polmadie Road, Glasgow. [*Alley, Glasgow.* Royal 673.]

1901. Maclure, William George Percy, Locomotive Running Superintendent, Great Central Railway, Gorton, Manchester.

1901. Macmillan, Colin Campbell, Bengal Iron and Steel Co., Burrakur, Bengal, India.

1902. MacNay, Arthur, District Locomotive Superintendent, Cape Government Railways, De Aar, Cape Colony.

1901. MacQueen, John, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1879. Maginnis, James Porter, 11 Carteret Street, Queen Anne's Gate, Westminster, S.W. [*Offset, London. G.P.O. 192 Victoria.*]

1901. MaGuire, Frederick George, Messrs. Davidson and Co., Sirocco Engineering Works, Belfast.

1891. Mahon, Major Reginald Henry, R.A., Simla, India.

1900. Main, John Palmer Scott, Assistant Inspecting Officer of Railways, Board of Trade, 1 Whitehall, London, S.W.

1873. Mair-Rumley, John George (*Life Member*), 43 Palace Court, London, W. [*Ipswich, London.*]

1884. Mais, Henry Coathupe, 2 Prell's Buildings, Collins and Queen Streets, Melbourne, Victoria.

1898. Maitland, Cree, 190 West George Street, Glasgow. [Corporation 665, National 5719.]

1883. Malan, Ernest de Mérindol, Westinghouse Brake Co., York Road, King's Cross, London, N.

1879. Malcolm, Bowman, Locomotive Engineer, Belfast and Northern Counties Railway, Belfast.

1896. Malloch, William Farquhar, Town Office, Uitenhage, Cape Colony.

1891. Manisty, Edward, Dundalk Iron Works, Dundalk, Ireland; and 24▲ Bryanston Square, London, W.

1888. Mano, Bunji, Professor of Mechanical Engineering, Imperial University, Tokyo, Japan.

1875. Mansergh, James, F.R.S., 5 Victoria Street, Westminster, S.W.

1894. Mansfield, Edwin Albert, 5 Chalsey Road, Brockley, London, S.E.

1891. Manson, James, Locomotive Superintendent, Glasgow and South Western Railway, Kilmarnock.

1897. Mantle, Harry George, Old Level Iron Works, Brierley Hill. [*Hall, Brierley Hill. 12,005.*]

1893. Manton, Arthur Woodroffe, B.Sc., Chipping Sodbury, Gloucestershire.

1862. Mappin, Sir Frederick Thorpe, Bart., M.P., Messrs. Thomas Turton and Sons, Sheaf Works, Sheffield; and Thornbury, Sheffield.

1897. Maplebeck, Edward, Messrs. John Wilkes, Sons and Maplebeck, Liverpool Street, Birmingham. [*Wilkes, Birmingham.*]

1878. Marié, Georges, 4 Boulevard des Sablons, Neuilly-sur-Seine, France.

1900. Markham, Reginald Gascoigne Law, R.N., Leamington Villa, Burlington Lane, Chiswick, London, W.

1891. Marks, Edward Charles Robert, 13 Temple Street, Birmingham.

1888. Marks, George Croydon, 18 Southampton Buildings, Chancery Lane, London, W.C. [*Reconstruction, London.*]

1896. Markwick, Alfred Ernest, Superintendent of Machinery, Karachi Municipality, Lawrence Road, Karachi, India.

1884. Marquand, Augustus John, 2 Dock Chambers, Bute Docks, Cardiff.
[*Martial, Cardiff.*]

1900. Marriner, William Wright, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1887. Marriott, William, Engineer and Locomotive Superintendent, Midland and Great Northern Joint Railways, Melton Constable, Norfolk.

1896. Marsh, Douglas Earle, Locomotive Department, Great Northern Railway, Doncaster.

1900. Marshall, Alfred William, Messrs. Marshall and Woods, 2 Gray's Inn Road, London, W.C.

1890. Marshall, Frank Herbert, Messrs. Wilsons, Pease and Co., Tees Iron Works, Middlesbrough.

1889. Marshall, Frank Theodore, Messrs. R. and W. Hawthorn Leslie and Co., St. Peter's Works, Newcastle-on-Tyne.

1885. Marshall, Henry Dickenson, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough. [*Marshalls, Gainsborough.* 10.]

1897. Marshall, Herbert John, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough. [*Marshalls, Gainsborough.* 10.]

1901. Marshall, Hermann Dickenson, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough.

1871. Marshall, James, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough. [*Marshalls, Gainsborough.* 10.]

1885. Marshall, Jenner Guest, Tyndall Works, Sloane Street, Camden Street, Birmingham. [*Work, Birmingham.* 2035.]

1896. Marshall, Lewis, Greenroyd, Halifax.

1902. Marshall, Robert, 5 Great Winchester Street, London, E.C.

1877. Marshall, William Bayley, Richmond Hill, Edgbaston, Birmingham.
[*Augustus, Birmingham.*]

1847. Marshall, William Prime, Richmond Hill, Edgbaston, Birmingham.
[*Augustus, Birmingham.*]

1899. Marsland, John Samuel, Drakes Ltd., Halifax. [*Drakeson, Halifax.* 43.]

1859. Marten, Edward Bindon, Pedmore, Stourbridge. [*Marten, Stourbridge.* 8504.]

1881. Martin, Edward Pritchard (*Life Member*), Dowlais Iron Works, Dowlais; and The Hill, Abergavenny.

1886. Martin, William Hamilton, Engineering Manager, The Scheldt Royal Shipbuilding and Engineering Works, Flushing, Holland.

1882. Martindale, Warine Ben Hay, 83 Cannon Street, London, E.C.; and Haistwell House, Sunningdale, Ascot.

1884. Massey, George, Post Office Chambers, Pitt Street, Sydney, New South Wales.

1903. Massey, Harold Fletcher, Works Manager, Messrs. B. and S. Massey, Openshaw, Manchester.

1895. Massey, Leonard Fletcher, Messrs. B. and S. Massey, Openshaw, Manchester. [*Masseys, Openshaw.* 300.]

1893. Massey, William Henry, 25 Queen Anne's Gate, Westminster, S.W.; and Twyford, R.S.O., Berkshire.

1892. Masterton, John Fraser, Locomotive Department, South Eastern and Chatham Railway, Ashford, Kent.

1903. Masterton, Walter Neill, Marine Department, Singapore, Straits Settlements.

1899. Mastrantonis, Panayotis, Engine and Boiler Works, Piraeus, Greece.

1894. Mather, George Radford, Messrs. G. R. Mather and Son, Albion Foundry, Wellingborough. [*Mather, Wellingborough.*]

1867. Mather, Sir William, Messrs. Mather and Platt, Salford Iron Works, Manchester. [*Mather, Manchester.*]

1883. Mather, William Penn, Queen Dyeing Co., Providence, Rhode Island, United States.

1900. Mathews, Charles James, Chief Inspector of Boilers, Mines Department, Perth, Western Australia.

1891. Mathewson, Jeremiah Eugene, Tilghman's Sand-Blast Co., Broadheath, near Manchester.

1902. Mathot, Rodolphe, 24 Rue St. Christophe, Brussels, Belgium.

1886. Matthews, Robert, Parrs House, Heaton Mersey, near Manchester.

1893. Maunsell, Richard Edward Lloyd, Assistant Locomotive Engineer, Great Southern and Western Railway, Inchicore Works, near Dublin.

1873. Maw, William Henry, 35 Bedford Street, Strand, London, W.C. [*Gerrard 3663.*]

1884. Maxim, Sir Hiram Stevens, Thurlow Park, 379 Norwood Road, West Norwood, London, S.E.

1903. May, Charles Ramsden, Orwell Lodge, Erith, S.O., Kent.

1859. Maylor, William (*Life Member*), Hanley Grange, Hanley Castle, Worcestershire.

1874. McClean, Frank, Norfolk House, Norfolk Street, Strand, London, W.C.

1898. McCowen, Victor A. H., City Electrical Engineer, Town Hall, Belfast.

1891. McCredie, Arthur Latimer, Mutual Life of New York Buildings, Martin Place, Sydney, New South Wales. [*Ebony, Sydney.* 63.]

1892. McDonald, John, Shimbashi-Uchi, Howard's Lane, Putney, London, S.W.

1878. McDonald, John Alexander, Assistant Engineer-in-chief, Public Works Department, Perth, Western Australia: (or care of James E. McDonald, 4 Chapel Street, Cripplegate, London, E.C.)

1865. McDonnell, Alexander, 23 Denbigh Street, London, S.W.; and Rydens, Hersham Road, Walton-on-Thames.

1891. McFarlane, George, 34 West George Street, Glasgow. [*Dunsloy, Glasgow.* Royal 3777.]

1895. McFarlane, James, 33 Spring Gardens, Abbeyhill, Edinburgh.

1895. McGee, Walter, Albion Works, Stoney Brae, Paisley. [137.]

1899. McInnes, David Whitton, Messrs. Hayward Brothers and Eckstein, Union Iron Works, Union Street, Borough, London, S.E. [*Hayward Brothers, London.* Hop 193.]

1889. McIntyre, John Henry A., Lecturer on Engineering Drawing, Glasgow and West of Scotland Technical College, Glasgow.

1902. McIvor, Benjamin Robert, Superintending Engineer, Amazon Steam Navigation Co., Manãos, Brazil; and 78 Vandyke Street, Sefton Park, Liverpool.

1901. McKechnie, James, Messrs. Vickers, Sons and Maxim, Naval Construction Works, Barrow-in-Furness.

1880. McLachlan, John, Messrs. Bow, McLachlan and Co., Thistle Engine Works, Paisley. [*Bow, Paisley.*]

1888. McLaren, Henry, Messrs. J. and H. McLaren, Midland Engine Works, Leeds. [*McLaren, Leeds.*]

1903. McLaren, John, Messrs. J. and H. McLaren, Midland Engine Works, Leeds. [*McLaren, Leeds.*]

1903. McLaren, John, Messrs. G. Grinyer and Co., 59 White Horse Street, London, E.

1900. McLaren, John Alexander, 18 Brudenell Avenue, Leeds.

1882. McLaren, Raynes Lauder, 10 Lammas Park Gardens, Ealing, London, W.

1899. McLaren, Richard Andrew, Babcock and Wilcox Co., Renfrew, R.S.O., Renfrewshire.

1901. McLaren, William Alexander, P.O. Box 917, Cape Town, Cape Colony.

1888. McLarty, Farquhar Matheson, 26 Brougham Street, Greenock. [*Unique, Greenock.*]

1885. McNeil, John, Messrs. John McNeil and Co., Helen Street, Govan, Glasgow [*Colonial, Glasgow.*]; and Rosario, Dalkeith Avenue, Dumbreck, Glasgow.

1896. McPherson, Stewart, Manager, Barnagore Jute Works, Calcutta, India.

1901. McQueen, John Charles, St. Georges, Grenada, West Indies.

1903. McReddie, Charles Edward Bryson, 352 Laprida, Buenos Aires, Argentine Republic.

1903. McRitchie, George Scott, Dockyard, Williamstown, Melbourne, Victoria.

1891. Meade, Thomas de Courcy, Town Hall, Manchester.

1899. Meaden, Nicholas, R.N., Danbury, Alexandra Road, Reading.

1881. Meik, Charles Scott, care of P. Walter Meik, 16 Victoria Street, Westminster, S.W.

1887. Molhuish, Frederick, Assistant Engineer, Southwark and Vauxhall Water Works, Southwark Bridge Road, London, S.E.

1903. Mell, Leonard Parry, Chief Engineer, Messrs. Samuel Allsopp and Sons, The Brewery, Burton-on-Trent.

1891. Melville, William Charles, Superintendent Engineer, Liverpool Steam Tug Co., 44 Chapel Street, Liverpool.

1888. Melville, William Wilkie, Messrs. E. Green and Son, Hastings House, Norfolk Street, Strand, London, W.C.

1900. Mendham, Conrad Field, 4 East India Avenue, London, E.C. [*Pyrotic, London. Avenue 887.*]

1878. Menier, Henri, 56 Rue de Châteaudun, Paris.

1897. Meredith, John, 428 Alfreton Road, Nottingham.

1901. Meriton, Thomas Henry Rudolph, 12 Sydenham Terrace, Sunderland.

1894. Merrick, Robert, Warren's Place Iron Works, Cork.

1896. Merrifield, Leonard Lancaster, 19 Abingdon Street, Westminster, S.W.

1875. Merryweather, James Compton, Messrs. Merryweather and Sons, Fire-Engine Works, Greenwich Road, London, S.E.; and 4 Whitehall Court, London, S.W. [*Merryweather, London.*]

1891. Metcalfe, Frederick Spencer, Pumping Station, Sewage Works, Burton-on-Trent.

1881. Meysey-Thompson, Arthur Herbert, Messrs. Hathorn Davey and Co., Sun Foundry, Dewsbury Road, Leeds.

1877. Michele, Vitale Domenico de, 8 Queen Anne's Gate, Westminster, S.W.; and Higham Hall, Rochester.

1898. Micklewright, William, Osborne House, Wood Green Road, Wednesbury.

1884. Middleton, Reginald Empson, 17 Victoria Street, Westminster, S.W. [*Appoint, London. Westminster 75.*]

1891. Middleton, Robert, Sheepscar Foundry, Leeds.

1891. Middleton, Robert Thomas, late Assistant Engineer, Bombay, Baroda and Central India Railway, Bombay, India: 26 Selborne Road, Ilford.

1862. Miers, Francis C., Messrs. Fry Miers and Co., Suffolk House, 5 Laurence Pountney Hill, London, E.C.; and Eden Cottage, South Eden Park, Beckenham. [*Foundation, London. Bank 920.*]

1874. Milburn, John, Hawkshead Foundry, Quay Side, Workington.

1893. Millar, Jackson, Messrs. Millar and Allan, 93 Hope Street, Glasgow.

1902. Millar, Thomas, Messrs. Armstrong, Whitworth and Co., Walker Shipyard, Newcastle-on-Tyne.

1901. Miller, Fred, Messrs. Ross and Walpole, North Wall Foundry and Iron Works, Dublin.

1885. Miller, Harry William, Messrs. Cunningham and Gearing, Atlas Engine Works, Bree Street, Cape Town, Cape Colony.

1886. Miller, John Smith, Messrs. Smith Brothers and Co., Hyson Green Works, Nottingham.

1887. Miller, Thomas Lodwick, 7 Tower Buildings N., Water Street, Liverpool. [*Kinetic, Liverpool.* 6216.]

1893. Milligan, William Scott, Messrs. Pollit and Wigzell, Bank Foundry, Sowerby Bridge.

1893. Millington, Frederick Handel, Manager, Patent Pulp Manufacturing Co., Thetford; and Mill House, Thetford.

1885. Millis, Charles Thomas, Principal, Educational Department, Borough Road Polytechnic, London, S.E.

1898. Mills, George Pilkington, Works Manager, Raleigh Cycle Works, Lenton, Nottingham; and The Woodlands, Beeston, Nottingham.

1898. Mills, Richard, Locomotive Department, Midland Railway, Derby; and 9 Wilson Street, Derby.

1897. Mills, William, Atlas Works, Bonner's Field, Sunderland. [*Engineer, Sunderland.* 552.]

1887. Milne, William, Castle Buildings, West Street, Durban, Natal [*Metallic, Durban.*]; and Furnheim, Rosetta Road, Durban, Natal.

1898. Mindo, Arnold Waldemar, Grosvenor House, Worcester Road, Derby Park, Bootle, Liverpool.

1902. Mitchell, Benjamin Merwin, Messrs. Fraser and Chalmers, Johannesburg, Transvaal, South Africa.

1898. Mitchell, George, Manager, Vacuum Brake Co., 32 Queen Victoria Street, London, E.C. [*Solution, London.* Bank 5534.]

1892. Mitcheson, George Arthur, Longton, Staffordshire. [*Mitcheson, Longton.* 4045.]

1899. Mitton, Edward Moss, Jun., Messrs. Ewen and Mitton, Smithfield Works, Sherlock Street, Birmingham. [*Method, Birmingham.*]

1897. Miyabara, Engineer Rear-Admiral Jiro, I.J.N., Naval Department, Tokyo, Japan.

1896. Moffatt, Alexander Charles, Messrs. Moffatt and Eastmead, Green Street Engineering Works, Blackfriars, London, S.E.

1902. Moffatt, James Adam Scott, Messrs. J. Moffatt and Co., Albert Street, Belfast. [888.]

1898. Molecey, Charles Simpson Twigge, Chief Engineer, Colonial Consignment and Distributing Co., Nelson's Wharf, Commercial Road, Lambeth, London, S.E.

1879. Molesworth, Sir Guilford Lindsay, K.C.I.E., 39 Victoria Street, Westminster, S.W.

1881. Molinos, Léon, 15 Rue Flachat, Paris.

1899. Molloy, Harry James, care of Messrs. William Watson and Co., 8 Hornby Road, Bombay, India.

1897. Monkhouse, Edward Wyndham, Messrs. Burstall and Monkhouse, 14 Old Queen Street, Westminster, S.W. [*Instructed, London. 771 Westminster.*]

1902. Monks, Frederick William, Managing Director, Messrs. Monks, Hall and Co., Warrington.

1884. Monroe, Robert, General Manager, Barry Graving Dock and Engineering Co., Barry Dock, near Cardiff.

1898. Moon, Edgar Rupert, Locomotive Superintendent, Midland Railway of Western Australia, Midland Junction Works, Western Australia: (or care of J. E. Moon, Cloudesleigh, Brixton, near Plymouth.)

1901. Moore, James, Messrs. Ralli Brothers, Karachi, India.

1895. Moore, Thomas Lamb, Messrs. James Moore and Sons, Millfield Foundry, Belfast. [*Moore, Millfield, Belfast. 466.*]

1901. Moore, Walter Launcelot, Engineer R.N., H.M. Torpedo Sub-Depôt, Portland.

1903. Moore, William Henry, General Manager, Messrs. Ferranti, Hollinwood, Manchester.

1895. Moore, William James Perry, New Britain, Conn., United States.

1897. Morcom, Alfred, Managing Director, Messrs. Belliss and Morcom, Ledsam Street, Birmingham. [*Belliss, Birmingham.*]

1880. Moreland, Richard, Messrs. Richard Moreland and Son, 3 Old Street, St. Luke's, London, E.C. [*Expansion, London.*]

1900. Morgan, Charles Hill, 21 Lincoln Street, Worcester, Massachusetts, United States.

1889. Morgan, David John, 5 Romilly Road, Cardiff.

1887. Morison, Donald Barns, Messrs. T. Richardson and Sons, Hartlepool Engine Works, Hartlepool.

1896. Morley, Herbert William, Messrs. Cole, Marchent and Morley, Prospect Foundry, Bradford. [*Cole, Bradford. 690.*]

1895. Morrin, Richard, 69 Scarisbrick New Road, Southport.

1888. Morris, Charles, care of Messrs. Jessop and Co., 156 Leadenhall Street, London, E.C.

1874. Morris, Edmund Legh, New River Water Works, Finsbury Park, London, N.

1890. Morris, Francis Sanders, 4 Trafalgar Square, London, W.C.

1898. Morris, John, Royal Technical Institute, Salford, Manchester.

1890. Morris, John Alfred (*Life Member*), Empire Engineering Co., Empire Works, Failsworth, Manchester.

1901. Morris, William, care of H. H. M. Fakhruddin, Halsey Road, Cawnpore, India.

1900. Morrison, Gabriel James, 7 The Sanctuary, Westminster, S.W.

1903. Morrison, Ralph Percy, Messrs. Tannett, Walker and Co., Goodman Street Works, Hunslet, Leeds.

1902. Mortimore, William, Messrs. Meldrum Brothers, Timperley, Altrincham.

1892. Morton, David Home, 130 Bath Street, Glasgow. [*Counsel, Glasgow. 4874.*]

1900. Morton, Duncan Anderson, Errol Works, Errol, R.S.O., Perthshire.

1897. Moule, Frederick Oswald, Messrs. Ruston, Proctor and Co., Sheaf Iron Works, Lincoln.

1898. Moulton, Arthur Johnson, Locomotive Department, Midland Railway, Derby.

1858. Mountain, Charles George, 50 Bickerton Road, Highgate, London, N.

1886. Mountain, William Charles, Messrs. Ernest Scott and Mountain, Close Works, Newcastle-on-Tyne [*Esco, Newcastle-on-Tyne. 1259.*]; and South View, Hexham.

1895. Mount-Haes, Andrew, Kalker Werkzeugmaschinen Fabrik, Kalk, near Cologne, Germany.

1901. Mowat, Thomas, Works Manager, Messrs. Harpers, Aberdeen.

1884. Mower, George A. (*Life Member*), Sturtevant Engineering Co., 147 Queen Victoria Street, London, E.C. [*Crosby, London. Bank 509.*]

1893. Moylan, William Morgan, care of Messrs. Grindlay and Co., Calcutta India.

1902. Muckley, William Henry, Superintendent of Works, Corporation Tramways, Lambeth Road Works, Liverpool.

1876. Muirhead, Richard, 66 Parrock Street, Gravesend.

1890. Mumford, Charles Edward, Messrs. Robert Boby, St. Andrew's Works, Bury St. Edmunds.

1897. Munro, Edward May, Messrs. Brecknell, Munro and Rogers, Thrissell Street, Bristol.

1890. Munro, John, Professor of Mechanical Engineering, Merchant Venturers' Technical College, Unity Street, Bristol.

1890. Munro, Robert Douglas, Chief Engineer, Scottish Boiler Insurance and Engine Inspection Co., 111 Union Street, Glasgow. [*Inspector, Glasgow. 1271.*]

1889. Münster, Bernard Adolph, Engineer, Yokohama, Japan.

1901. Münzell, Max, 10 Kleine Campestrasse, Brunswick, Germany.

1890. Murray, Kenneth Sutherland, Brin's Oxygen Works, Elverton Street, Westminster, S.W. [*111 Westminster.*]

1894. Murray, Thomas Roberts, Managing Director, Messrs. Spencer and Co., Melksham.

1902. Musgrave, Frank Everard, Messrs. John Musgrave and Sons, Globe Iron Works, Bolton. [*Musgrave, Bolton.*]

1899. Musgrave, John Richard, Messrs. Musgrave Brothers, Crown Point Foundry, East Street, Leeds. [*1226.*]

1882. Musgrave, Walter Martin, Messrs. John Musgrave and Sons, Globe Iron Works, Bolton. [*Musgrave, Bolton.*]

1897. Musker, Arthur, Messrs. C. and A. Musker, Liverpool. [*Fulgor, Liverpool.* Anfield 215.]

1897. Musker, Charles, Messrs. C. and A. Musker, Liverpool. [*Fulgor, Liverpool.* Anfield 215.]

1901. Mutter, William, Superintendent Engineer, Messrs. Bulloch Brothers and Co., Foozooondoung Foundry, Rangoon, British Burma, India.

1901. Myers, Henry Sutcliffe, Messrs. Myers Brothers, Theaker Lane, Armley, Leeds.

1888. Myers-Beswick, William Beswick (*Life Member*), 14 Victoria Street, Westminster, S.W.

1901. Nakajima, Yosohachi, Fleet Engineer, I.J.N., 185 Honmura cho, Azabu, Tokyo, Japan.

1890. Nasby, George William, Cambrian House, Crouch Street, Banbury.

1889. Nasmith, Joseph, 61 Barton Arcade, Manchester.

1888. Nathan, Adolphus, Messrs. Larini Nathan and Co., Milan; and 15 Via Bigli, Milan, Italy.

1896. Naylor, Sam, Messrs. Lumby, Son and Wood, West Grove Works, Greetland, Halifax. [*Lumby, Halifax.* 5 A.]

1898. Naylor, Tom Hyde, Sir B. Samuelson and Co., Newport Iron Works, Middlesbrough; and 112 Victoria Road, Middlesbrough.

1883. Neate, Percy John, Belsize, 5 Watts Avenue, Rochester.

1889. Needham, Joseph Edward, Patent Office, 25 Southampton Buildings, London, W.C.

1902. Neil, Alexander, Palatino Works, Warrington.

1884. Nelson, John, Contractor's Office, 8 Lendal, York. [*Nelson, York.*]

1895. Nesbit, David Mein, Messrs. Ashwell and Nesbit, 12 Great James Street, Bedford Row, London, W.C. [*Plenum, London.* Holborn 587]; and Victoria Foundry, Leicester.

1903. Nesbitt, Alexander Walter, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1897. Newman, Reginald William, Government Irrigation Works, Thebus, Cape Colony.

1902. Newman, William Edwin, Works Manager, Midland and Great Northern Joint Railway, Melton Constable, Norfolk.

1890. Newton, Percy, Meadowlea, Datchet, Windsor.

1898. Newton, Samuel Barton, 25 Change Alley, Sheffield.

1897. Newton, Thomas George, Messrs. W. Summerscales and Sons, Chiswell House, 133 Finsbury Pavement, London, E.C.

1900. Nicholl, John Jeffery, Rosslyn, Sylvan Road, Wanstead, London, N.E.

1884. Nicholls, James Mayne, General Manager, Nitrate Railways Co., Iquique, Chili.

1884. Nicholson, Henry, 39 Mayfield Road, Alexandra Park, Manchester.

1894. Nicholson, John Rumney, Tanjong Pagar Dock Co., Singapore, Straits Settlements.

1899. Nicol, Robert Gordon, Harbour Engineer, Aberdeen.

1899. Nisbet, William Holmes, Mutual Life Buildings, Martin Place, Sydney, New South Wales.

1902. Noakes, Thomas Elias, Works Manager, Messrs. Thomas Noakes and Sons, Heneage Street, Spitalfields, London, E.

1886. Noakes, Thomas Joseph, Messrs. Thomas Noakes and Sons, 4 and 5 Osborn Place, Brick Lane, Whitechapel, London, E.

1884. Noakes, Walter Maplesden, 78 Clarence Street, Wynyard Square, Sydney, New South Wales.

1892. Norris, William, Lancashire Steam Motor Co., Leyland, Preston.

1868. Norris, William Gregory, Coalbrookdale Iron Works, Coalbrookdale, Shropshire.

1878. Northcott, William Henry, General Engine and Boiler Co., Hatcham Iron Works, Pomeroy Street, New Cross Road, London, S.E.; and 6 Earl's Court Square, London, S.W. [*Oxygen, London.*]

1900. Northey, Percy Wilbraham, Ashtead Park, Surrey.

1898. Nutt, George Beaumont, Chief Mechanical Engineer, Queensland Government Railways, Brisbane, Queensland.

1885. Oakes, Sir Reginald Louis, Bart., Société Anonyme La Métallurgique, 1 Place de Louvain, Bruxelles, Belgium.

1887. O'Brien, Benjamin Thompson, 34 Catharine Street, Liverpool.

1887. O'Brien, John Owden, 6 Bank Street, Manchester. [*Owden, Manchester.*]

1890. Ockendon, William, Messrs. John Brown and Co., Atlas Steel and Iron Works, Sheffield.

1888. O'Donnell, John Patrick, Palace Chambers, 9 Bridge Street, Westminster, S.W.; and Tracey Lodge, Bromley Park, Bromley, Kent. [*O'Donnell, London. Westminster 378.*]

1889. Ogden, Fred, Patent Office, 25 Southampton Buildings, London, W.C.

1886. Ogle, Percy John, 4 Bishopsgate Street Within, London, E.C. [*Ogle, London. Avenue 956.*]

1893. Oke, Francis Robert, 5 Coppenhall Terrace, Crewe. [*Oke, Crewe.*]

1875. Okes, John Charles Raymond, 131 Verulam Road, St. Albans.

1901. Oldham, Fred, Messrs. Alexander Oldham and Sons, Johnson Brook Patent Piston Works, Dukinfield. [*Weldless, Dukinfield. Hyde 8.*]

1902. Oldham, George, Messrs. Samuel Oldham and Sons, Framwellgate Engine Works and Foundry, Durham. [*Oldham, Durham. 3041.*]

1900. Oldham, Thomas, Messrs. Alexander Oldham and Sons, Johnson Brook Patent Piston Works, Dukinfield. [*Weldless, Dukinfield. Hyde 8.*]

1899. Oliver, Thomas, North George Street Iron Works, Salford, Manchester.

1882. Orange, James, Messrs. Danby Leigh and Orange, Hong Kong, China: (or care of Mrs. Mary Orange, 2 West End Terrace, Jersey.)

1899. Oreutt, Harry Fred Lee, Messrs. L. Loewe and Co., Hutten Strasse 17-20, Berlin, Germany.

1902. Orde, Edwin Lancelot, Sir W. G. Armstrong, Whitworth and Co., Walker Shipyard, Newcastle-on-Tyne.

1885. Ormerod, Richard Oliver, 9 Pagoda Avenue, Richmond, Surrey.

1899. Ormsby, Alfred Stewart Augustus, Patent Office, Staple Inn, Holborn, London, W.C.

1902. Ormsby, Edward Stuart, Messrs. Willans and Robinson, Victoria Works, Rugby.

1897. Orr, Charles Roger, Monifieth, Dundee.

1899. Osborne, Thomas Peter, Assistant Carriage and Wagon Superintendent, Midland Railway, Derby; and The Poplars, Spondon, Derby.

1903. Oswald, Robert, Superintendent, Chinese Imperial Arsenal, Tientsin, China.

1899. Ottewell, Albert, Brass Foundry, Cotton Lane, Derby. [*Ottewell, Derby. 51.*]

1867. Oughterson, George Blake, Broadway House, 2 Broadway, Westminster, S.W.; and 40 Blessington Road, Lewisham, London, S.E.

1897. Outram, Francis Davidson, late R.E., Messrs. Robertson and Outram, 28 Victoria Street, Westminster, S.W. [*Eyebolts, London.*]

1897. Owens, Philip Robert, Messrs. Donaldson and Owens, 8 Albert Buildings, Preeson Row, Liverpool. [*Torpedo, Liverpool.*]

1903. Oxlade, Henry John Wilson, 16 St. Helen's Place, London, E.C. [*Oximum, London. 3882 Central.*]

1877. Panton, William Henry, Messrs. Dorman Long and Co., Middlesbrough.

1897. Parish, Charles Edward, 4 Park Road, Harlesden, London, N.W.

1898. Park, Charles Archibald, Carriage Superintendent, London and North Western Railway, Wolverton, R.S.O., Bucks.

1888. Parker, Thomas, Carriage and Wagon Superintendent, Great Central Railway, Gorton, near Manchester; and Slade Mount, Levenshulme, Manchester.

1891. Parker, Thomas, F.R.S.E., Manor House, Tettenhall, Wolverhampton.
[*Parker, Tettenhall.*]

1899. Parker, Thomas Hugh, Newton Lodge, Sandon Road, Birmingham.

1895. Parkinson, Hudson Clough, Engineer's Office, Cumberland Basin, Bristol Docks, Bristol.

1900. Parkinson, Joseph, Canal Iron Works, Shipley, Yorks. [*Temples, Shipley.* 4080.]

1884. Parlane, William, Manager, Hong Kong Ice Company, Hong Kong, China: (or Ladyton Cottage, Bonhill, Dumbartonshire.)

1899. Parrack, William Thomas, Rochester Buildings, 138 Leadenhall Street, London, E.C.

1892. Parratt, William Heather, Rose Hall, Canje Creek, Berbice, British Guiana.

1892. Parrott, Thomas Henry, Fairlight, Westfield Road, Edgbaston, Birmingham.

1886. Parry, Alfred, 12 Inner Temple, Dale Street, Liverpool. [*Revolving, Liverpool.*]

1889. Parry, Evan Henry, Inspector of Machinery, P. O. Box 164, Germiston, Transvaal, South Africa.

1900. Parry-Jones, Richard, Salvage Association, 19 Birch Lane, London, E.C.; and 32 Thornton Avenue, Streatham Hill, London, S.W.

1878. Parsons, The Hon. Richard Clere, Messrs. Bateman Parsons and Bateman, 39 Victoria Street, Westminster, S.W. [*Outfall, London.*]; and 48 Prince's Gardens, London, S.W.

1886. Passmore, Frank Bailey, Suffolk House, 5 Laurence Pountney Hill, London, E.C. [*Knarf, London.*]

1896. Patchell, William Henry, Engineer-in-chief, Charing Cross and Strand Electricity Supply Corporation, 60 St. Martin's Lane, London, W.C. [Gerrard 2807 and 3253.]

1900. Paterson, James Alverne, Engineer Lieut. R.N., 3 Elsie Road, East Dulwich, London, S.E.

1886. Paterson, Walter Saunders, 27 St. Stephen's Road, Ealing, London, W.

1877. Paton, John McClure Caldwell, Messrs. Manlove Alliott and Co., Bloomsgrave Works, Ilkeston Road, Nottingham. [*Manloves, Nottingham.*]

1881. Patterson, Anthony, Dowlais Iron Works, Cardiff; and 9 Glossop Terrace, Cardiff.

1891. Paul, Matthew, Jun., Messrs. Matthew Paul and Co., Levenford Works, Dumbarton.

1872. Paxman, James Noah, Messrs. Davey Paxman and Co., Standard Iron Works, Colchester. [*Paxman, Colchester.*]

1900. Payne, Henry, Professor of Engineering, South African College, Cape Town, Cape Colony.

1880. Peache, James Courthope, Layer Marney Tower, Kelvedon, R.S.O., Essex.

1890. Peacock, Francis, 69 Queen's Road, Urmston, Manchester.

1890. Peacock, James Albert Wells, Egyptian Delta Light Railways, Tantah, Egypt.

1869. Peacock, Ralph, Messrs. Beyer Peacock and Co., Gorton Foundry, Manchester; and Avon Castle, Ringwood.

1899. Pearce, Standen Leonard, Corporation Electric Light Station, Dickinson Street, Manchester.

1897. Pearce, Thomas, Managing Director, Messrs. Johns and Waygood, Sturt Street, South Melbourne, Victoria.

1884. Pearson, Frank Henry, 27 Scale Lane, Hull. [*Pearse, Hull.* 01005.]

1901. Peart, John, Manager, Engineering Department, Darlington Wagon and Engineering Co., Darlington.

1903. Peckott, Thomas, Messrs. Peckett and Sons, Atlas Locomotive Works, Bristol. [*Peckett, Bristol.* 7306.]

1898. Pedley, Heber Isaac, Messrs. Rudge-Whitworth, Rea Street South, Birmingham.

1888. Peel, Charles Edmund, Quay Parade, Swansea.

1899. Peet, James, San Fernando, Trinidad, West Indies.

1898. Peet, William Gadsby, Locomotive Department, Midland Railway, Burton-on-Trent; and 286 Blackpool Street, Burton-on-Trent.

1903. Pendlebury, Charles, The Tangye Tool and Electric Co., Birmingham. [*Argon, Birmingham.*]

1900. Pendred, Vaughan, Crohill, Pendennis Road, Streatham, London, S.W.

1897. Penn, Frederick James, Messrs. Westley Richards and Co., Grange Road, Selly Oak, Birmingham; and Stoneleigh, Selly Park Road, Selly Park, Birmingham.

1873. Penn, William, Messrs. John Penn and Sons, Marine Engineers, Greenwich, London, S.E.

1895. Penn, William Cooper, 25 Victoria Street, Westminster, S.W. [*Penniform, London.*]

1874. Pepper, Joseph Ellershaw, Clarence Iron Works, Leeds.

1901. Perkins, Charles Clifford, Measrs. Lester and Perkins, 11 London Street, London, E.C. [*Outwork, London.* Albert Dock 539.]

1898. Pettigrew, William Frank, Locomotive Superintendent, Furness Railway, Barrow-in-Furness.

1893. Philip, William Littlejohn, Sherbrooke, Box, Wilts.

1885. Phillips, Charles David, Emlyn Engineering Works, Newport, Monmouthshire. [*Machinery, Newport, Mon.*]

1885. Phillips, Lionel (*Life Member*), Messrs. Wernher, Beit and Co., 1 London Wall Buildings, London, E.C.

1879. Phillips, Robert Edward, 70 Chancery Lane, London, W.C. [*Phicycle, London.* Holborn 1200.]

1890. Phillips, Walter, 9 Gracechurch Street, London, E.C. [*Philology, London.*]

1902. Phillips, William, Locomotive Department, Great Western Railway, Bristol.

1882. Phipps, Christopher Edward, Locomotive Superintendent, Madras Railway, Perambore Works, Madras, India; and 13 Kenilworth Road, Ealing, London, W.

1900. Pickering, Frank, Electric Light Department, Cape Government Railways, Cape Town, Cape Colony.

1894. Pickering, Jonathan, Baltic Chambers, 50 Wellington Street, Glasgow. [6180.]

1876. Piercy, Henry James Taylor, Messrs. Piercy and Co., Broad Street Engine Works, Birmingham. [*Piercy, Birmingham.* 20.]

1877. Pigot, Thomas Francis, 14 Fitzwilliam Place, Dublin.

1888. Pilkington, Herbert, Sheepbridge Iron Works, Chesterfield.

1900. Pillai, Velu Pillai Devasikhamani, Madras Municipal Commission, Madras, India.

1899. Pilling, Frederick Stott, 20 Victoria Street, Westminster, S.W.

1897. Pilling, Henry, National Boiler Insurance Co., 22 St. Ann's Square, Manchester.

1883. Pillow, Edward, Director of Technical Instruction for Norfolk, Shire Hall, Norwich; and The Grange, 104A Thorpe Road, Norwich.

1892. Pinder, Charles Ralph, care of Messrs. Dickeson and Stewart, 94 Queen Victoria Street, London, E.C.

1892. Pirie, George, Royal Laboratory, Royal Arsenal, Woolwich.

1888. Pirrie, The Right Hon. William James, LL.D., Messrs. Harland and Wolff, Belfast.

1883. Pitt, Walter, Messrs. Stothert and Pitt, Newark Foundry, Bath. [*Stothert, Bath.*]

1887. Place, John, Messrs. Wheatley Kirk, Price and Co., 46 Watling Street, London, E.C. [*Indices, London.* Bank 5077.]

1899. Platt, Francis James, Dudbridge Iron Works, Stroud, Gloucestershire.

1903. Platt, Fred, Messrs. Samuel Platt, Wednesbury.

1903. Platt, Isaiah, Messrs. Samuel Platt, King's Hill Foundry, Wednesbury. [*Platt, Wednesbury.* 60.]

1899. Platt, John, Messrs. Mather and Platt, Salford Iron Works, Manchester; and Hyning, Carnforth.

1878. Platts, John Joseph, Hyndford House, Inglemere Road, Forest Hill, London, S.E.

1898. Platts, William, Messrs. George Turton, Platts and Co., Savile Street, Sheffield. [*Buffer, Sheffield.*]

1869. Player, John (*Life Member*), Clydach Foundry, near Swansea.

1892. Pogson, Alfred Lee, Engineer, Admiralty New Breakwaters, Malta.

1888. Pogson, Joseph, Mayfield, Beechwood Road, Halifax.

1894. Poland, William, Messrs. William Poland and Co., King's Bench Walk, Southwark, London, S.E. [*Determine, London.*]

1893. Pollit, Edward Ernest, Messrs. Pollit and Wigzell, Bank Foundry, Sowerby Bridge.

1894. Pollitt, Harry, Fernlea, Altrincham.

1886. Pollock, James, 3 Lloyds Avenue, London, E.C. [*Specific, London.*]

1876. Pooley, Henry, Homestead, Liscard, Cheshire.

1898. Pooley, Henry, Jun., Messrs. Henry Pooley and Son, Albion Foundry, Kidsgrove, Staffordshire.

1901. Poore, George Bentley, Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg, Transvaal, South Africa.

1899. Pope, Joseph Gordon, Messrs. Bilbie, Hobson and Co., 80 Queen Victoria Street, London, E.C.

1902. Pope, William Waller, Hatfield, The Grove, Slough.

1898. Porritt, Louis Alfred, Messrs. William Tatham and Co., Vulcan Works, Rochdale.

1890. Potter, William Henry, Brougham Chambers, Wheeler Gate, Nottingham.

1864. Potts, Benjamin Langford Foster, 55 Chancery Lane, London, W.C.; and 117 Camberwell Grove, London, S.E.

1878. Powel, Henry Coke, Cartref, Hoole Road, Chester.

1891. Powles, Henry Handley Pridham, 90 Oakley Street, Chelsea, London, S.W.

1898. Powrie, William, Messrs. Furnival and Co., 32 St. Bride Street, London, E.C. [*Furnival, London.*]

1867. Pratchett, John, Messrs. Pratchett Brothers, Denton Iron Works, Carlisle.

1865. Pratchett, William, Messrs. Pratchett Brothers, Denton Iron Works, Carlisle.

1885. Pratten, William John, Messrs. Harland and Wolff, Belfast.

1890. Preese, Sir William Henry, K.C.B., F.R.S., 8 Queen Anne's Gate, Westminster, S.W.

1902. Prescott, Walter Henry, Engineer and Chief Surveyor, Tottenham Urban District Council, 712 High Road, Tottenham, London, N. [*Prescott, Lower Tottenham.*]

1882. Presser, Ernest Charles Antoine, Barquillo 26, Madrid.

1903. Price, Alan, Messrs. W. and A. McArthur, 15 Macquarie Place, Sydney, New South Wales.

1877. Price, Henry Sherley, Messrs. Wheatley Kirk, Price and Co., 46 Watling Street, London, E.C. [*Indices, London.* Bank 5077.]

1896. Price, James, Harbour Engineer, 9 Lapp's Quay, Cork.

1890. Price, John, Inspecting Engineer, Workington.

1889. Price, John Bennett, 313 Temple Chambers, Brazennose Street, Manchester; and Wyresdale, Wilbraham Road, Chorlton-cum-Hardy, near Manchester.

1859. Price-Williams, Richard, 6 Queen Anne's Gate, Westminster, S.W. [*Spandrel, London.*]

1886. Price-Williams, Seymour William, 5 Victoria Street, Westminster, S.W.

1896. Pritchard, Hugh, Port Dinorwic Dry Dock, Port Dinorwic, R.S.O., Carnarvonshire; and Cae Gwyn, Port Dinorwic, R.S.O., Carnarvonshire.

1895. Proctor, Charles Faraday, 1 High Swinburne Place, Newcastle-on-Tyne.

1894. Pryce, Henry James, Locomotive Superintendent, North London Railway, Bow Road Works, London, E.

1903. Puddephatt, Ernest Orlando, 1 Randall Well Street, Bradford.

1895. Pugh, Charles Vernon, Radford House, Coventry.

1895. Pullar, Albert Evans, Pullar's Dye Works, Perth.

1887. Pullen, William Wade Fitzherbert, Professor of Mechanical Engineering, South-Western Polytechnic, Manresa Road, Chelsea, London, S.W.; and 4 Marlborough Road, Putney, London, S.W.

1898. Pulman, Thomas Charles, care of Messrs. Grindlay and Co., Calcutta, India.

1884. Puplett, Samuel, 47 Victoria Street, Westminster, S.W.

1887. Pyne, Sir Thomas Salter, C.S.I., care of Messrs. George Allan and Co., 13 Austinfriars, London, E.C.

1892. Quentrell, Thomas, H.M. Inspector of Mines, Kimberley, South Africa.

1899. Quin, Robert Cornelius, 13 Victoria Street, Westminster, S.W.; and 3 Hollywood Villas, Melrose Road, West Hill, Wandsworth, London, S.W.

1900. Quirk, William Montague Harley, Messrs. Barre, Johnston and Co., Leake Street, Fremantle, Western Australia.

1870. Radcliffe, William (*Life Member*), 66 Clarkegrove Road, Sheffield. [1485.]

1878. Radford, Richard Heber, 15 St. James' Row, Sheffield. [*Radford, Sheffield.*]

1885. Rainforth, William, Britannia Iron Works, Lincoln. [*Rainforths, Lincoln.*]

1878. Rait, Henry Milnes, Messrs. Rait and Gardiner, 155 Fenchurch Street, London, E.C. [*Repairs, London.*]

1903. Rake, George Arthur, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1892. Ramsay, William, Superintendent Engineer, Scottish Oriental Steamship Co., Hong Kong, China.

1894. Ramsbottom, John Goodfellow, The Beaconsfield, Brookline, Boston, Mass., United States.

1898. Ranger, Robert, Messrs. Ind, Coope and Co., Burton-on-Trent.

1860. Ransome, Allen, Messrs. A. Ransome and Co., Stanley Works, Newark; and Lombard House, Newark.

1886. Ransome, James Edward, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich. [*Ransomes, Ipswich.* 11.]

1888. Rapley, Frederick Harvey, Pressed Steel Car Co., 24 Broad Street, New York, United States.

1889. Ratcliffe, James Thomas, Baumwoll-Manufatur von Izr. K. Poznanski, Lodz, Russian Poland.

1893. Raven, Vincent Litchfield, Locomotive Department, North Eastern Railway, Gateshead.

1903. Raworth, John Smith, 2 Queen Anne's Gate, Westminster, S.W.

1904. Read, Henry George, Works Manager, Messrs. M. Helferich-Sadet, Kharkov, South Russia.

1902. Read, John Hudson, Great Western Railway, Newport, Monmouthshire.

1883. Reader, Reuben, Phoenix Works, Cremorne Street, Nottingham.

1887. Readhead, Robert, Messrs. John Readhead and Sons, West Docks, South Shields [*Readhead, South Shields.* G.P.O. 14. Nat. 2024.]; and South Garth, South Shields.

1882. Reay, Thomas Purvis, Messrs. Kitson and Co., Airedale Foundry, Leeds.

1901. Redman, Joseph, Messrs. C. Redman and Sons, Pioneer Iron Works, Halifax.

1903. Redman, Joseph Fell, 38 Leadenhall Street, London, E.C.

1881. Redpath, Francis Robert, Canada Sugar Refinery, Montreal, Canada. [*Redpath, Montreal.*]

1870. Reed, Sir Edward James, K.C.B., F.R.S., Broadway Chambers, Westminster, S.W. [*Carnage, London.*]

1894. Reed, Joseph William, Manager, Engine Works Department, Palmer's Shipbuilding and Iron Works, Jarrow.

1891. Reed, Thomas Alfred, Bute Docks, Cardiff. [*Steam, Cardiff.* 171.]

1901. Reeves, Arthur Robert, 46 Queen Victoria Street, London, E.C.

1902. Reeves, Wilfred, Messrs. Reeves and Campbell, Kingscourt, Wellington Place, Belfast. [*Century, Belfast.* 1212.]

1897. Reid, Andrew Thomson (*Life Member*), Messrs. Neilson, Reid and Co., Hyde Park Locomotive Works, Glasgow. [*Neilson, Springburn.* Royal 822.]

1891. Reid, Hugh (*Life Member*), Messrs. Neilson, Reid and Co., Hyde Park Locomotive Works, Glasgow. [*Neilson, Springburn. Royal 822.*]

1897. Reid, John (*Life Member*), Messrs. Neilson, Reid and Co., Hyde Park Locomotive Works, Glasgow. [*Neilson, Springburn. Royal 822.*]

1901. Reid, Robert Shaw, 140 West George Street, Glasgow. [*Vessel, Glasgow. Corporation 3549.*]

1889. Rendell, Alan Wood, Westinghouse Brake Co., 82 York Road, King's Cross, London, N.; and 42 Goldhurst Terrace, South Hampstead, London, N.W.

1890. Rendell, Samuel, Messrs. Beyer Peacock and Co., Gorton Foundry, Manchester; and New Mills, near Stockport.

1859. Rennie, George Banks, 20 Lowndes Street, Lowndes Square, London, S.W.

1902. Renold, Hans, Progress Works, 3 Brook Street, Manchester. [*Driving, Manchester. 3219.*]

1876. Restler, James William, Engineer, Southwark and Vauxhall Water Works, Southwark Bridge Road, London, S.E.

1883. Reunert, Theodore (*Life Member*), Box 432, Kimberley, South Africa; Box 92, Johannesburg, Transvaal, South Africa: (or care of Messrs. Findlay, Durham and Brodie, 110 Cannon Street, London, E.C.)

1895. Rew, James Henry, Ardfern, Victoria Place, Airdrie.

1879. Reynolds, George Bernard, Constitutional Club, Northumberland Avenue, London, W.C.

1898. Reynolds, William Fleck, Messrs. Travers and Co., Britannia Works, Springfield Road, Belfast.

1890. Rice, Thomas Sydney, Aldermary House, 60 Watling Street, London, E.C. [*Ricto, London.*]

1866. Richards, Edward Windsor, Plas Llecha, Tredunnock, Caerleon, Monmouthshire. [*Windsor Richards, Llangibby.*]

1897. Richards, Henry William Hall, Messrs. W. Richards and Son, Phoenix Iron Works, Leicester. [*Richards, Leicester. 89.*]

1892. Richardson, Harry Alfred, Messrs. Hick Hargreaves and Co., Soho Iron Works, Crook Street, Bolton.

1865. Richardson, John, Well Royd, Rawdon, Leeds.

1873. Richardson, John, Lincoln.

1899. Richardson, John Robert, Messrs. Robey and Co., Globe Iron Works, Lincoln.

1891. Richardson, John Scott, Craigard, Lenzie, Glasgow.

1887. Richardson, Sir Thomas, Messrs. T. Richardson and Sons, Hartlepool Engine Works, Hartlepool.

1874. Riches, Tom Hurry, Locomotive Superintendent, Taff Vale Railway, Cardiff.

1897. Richmond, William Frederick, Shellness, Stradella Road, Herne Hill, London, S.E.

1873. Rickaby, Alfred Austin, Bloomfield Engine Works, Sunderland [*Rickaby, Sunderland.*]; and 27 Olive Street, Sunderland.

1899. Ride, Samuel, 85 Royal Exchange, Manchester. [*Elevator, Manchester.*]

1899. Rider, John Hall, London County Council Tramways, 303 Camberwell New Road, London, S.E. [Hop 1230.]

1879. Ridley, James Cartmell, Swalwell Steel Works, Newcastle-on-Tyne.

1894. Riley, Joseph Hacking, Elton Iron Works, Bury, Lancashire.

1885. Ripley, Philip Edward, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich.

1884. Ripper, William, Professor of Mechanical Engineering, Technical Department, University College, St. George's Square, Sheffield.

1902. Riseley, Harry Lorimer, Chief Engineer, Newcastle-on-Tyne Electric Supply Co., Carville Power Station, Wallsend-on-Tyne.

1879. Rixom, Alfred John, 108 Park Road, Loughborough.

1903. Robb, Alexander, Messrs. Harrison and Robb, 21 Scale Lane, Hull. [*Arbitrate, Hull.* 375.]

1899. Roberts, David, General Manager, Messrs. R. Hornsby and Sons, Spittlegate Iron Works, Grantham. [*Hornsby's, Grantham.*]

1903. Roberts, David Evan, 59 Queen Street, Cardiff. [*Formula, Cardiff.* 365.]

1903. Roberts, Harry, Messrs. Roberts Brothers, Dukinfield, Manchester.

1891. Roberts, Hugh Jorwerth, Manor House, Breeze Hill, Bootle, Liverpool.

1887. Roberts, Thomas, Chief Mechanical Engineer, Government Railways, Adelaide, South Australia.

1879. Roberts, Thomas Herbert, President, Thomas Iron Works, Berkley, Virginia, United States.

1887. Roberts, William, 831 Salisbury House, Finsbury Circus, London, E.C.

1902. Robertson, David, General Manager, Federated Engineering Co., Kuala Lumpur, Selangor, Federated Malay States, via Straits Settlements.

1892. Robertson, Leslie Stephen, Messrs. Robertson and Outram, 28 Victoria Street, Westminster, S.W. [*Eyebolts, London.*]

1902. Robins, Alban George, Eccleston, Chester.

1899. Robins, George Mead, Gas and Water Engineer, Sutton, Surrey.

1894. Robinson, Charles John, Messrs. Thomas Robinson and Son, Railway Works, Rochdale. [*Robinson, Rochdale.*]

1900. Robinson, Edward Mark, Corridor Chambers, Leicester.

1890. Robinson, Frederick Arthur, Messrs. F. A. Robinson and Co., 54 Old Broad Street, London, E.C. [*Farrago, London.*]

1874. Robinson, Professor Henry, Parliament Mansions, Victoria Street, Westminster, S.W.

1895. Robinson, James, 25 and 27 Leinster Chambers, 4 St. Anne's Square, Manchester; and Ravenscraig, Seaforth, Liverpool.

1898. Robinson, James Armstrong, Stafford Road Works, Great Western Railway, Wolverhampton.

1886. Robinson, John, Engineer's Office, New Dock Works, Grangemouth.

1878. Robinson, John Frederick, North British Locomotive Co., 17 Victoria Street, Westminster, S.W.

1891. Robinson, John George, Chief Locomotive Engineer, Great Central Railway, Gorton, Manchester; and Boothdale, Fairfield, Manchester.

1901. Robinson, John James, P.O. Box 377, Durban, Natal.

1899. Robinson, Joseph Drinkwater, R.N.R., East Lodge, Glenbrook, Cork.

1894. Robinson, Mark Heaton, Messrs. Willans and Robinson, Victoria Works, Rugby [*c/o Willans, Rugby.*]; and Overslade, Rugby.

1878. Robinson, Thomas Neild, Messrs. Thomas Robinson and Son, Railway Works, Rochdale. [*Robinson, Rochdale.*]

1895. Robinson, William, Professor of Mechanical and Electrical Engineering, University College, Nottingham.

1903. Robinson-Embury, Captain Richard Percy, late R.E., Mulliner-Wigley Engineering Co., Coventry.

1897. Robson, George, Messrs. Johnson and Phillips, 14 Union Court, Old Broad Street, London, E.C.

1899. Robson, William Henry, Manager, Messrs. Chance Brothers and Co., near Birmingham.

1872. Rofe, Henry, 8 Victoria Street, Westminster, S.W.

1885. Rogers, Henry John, Watford Engineering Works, Watford. [*Mechanical, Watford.* 35.]

1903. Rogers, Herbert Malcolm, 81 Gracechurch Street, London, E.C.

1902. Rogerson, Thomas Bond, General Manager, Messrs. James Dunlop and Co., Clyde Iron Works, Tolcross, Glasgow. [3659.]

1898. Rolfe, John Herbert Hieron, 3 Council House Street, Calcutta, India.

1892. Ronald, Henry, Birmingham Small Arms Co., Small Heath, Birmingham.

1898. Roots, James D., Roots Oil Motor and Motor Car Co., Chicheley Street, York Road, London, S.E.

1903. Röper, Anton, Messrs. de Fries and Co., Düsseldorf, Germany.

1889. Rosenthal, James Hermann, Babcock and Wilcox Co., Oriel House, Farringdon Street, London, E.C.

1902. Ross, John, Superintendent Engineer, Leeds and Liverpool Canal Co., Wigan.

1881. Ross, William, Messrs. Ross and Walpole, North Wall Iron Works, Dublin. [*Iron, Dublin.* 311.]

1899. Ross, William, Jun., 27 Thistle Street, Glasgow.

1896. Rothery, William Brockbank, Inspecting Engineer, Norbriggs, Lytham.

1898. Rothwell-Jackson, Harry Loxton, Messrs. Jackson and Brother, Wharf Foundry, Bolton. [*Jackson, Bolton.* 34.]

1893. Routhwaite, Henry Morrison, 25 Victoria Street, Westminster, S.W.; and 15 Nicosia Road, Wandsworth Common, London, S.W.

1856. Rouse, Frederick, 105 Lincoln Road, Peterborough.

1878. Routh, William Pole, Oakfield, Southern Hill, Reading.

1898. Row, Oliver Matthews, Dalham Engineering Works, Irlam, Manchester.

1888. Rowan, James, Messrs. David Rowan and Son, Elliot Street, Glasgow.

1891. Rowland, Bartholomew Richmond, Holly Bank, Altrincham.

1903. Roy, William, Messrs. Spencer and Co., Melksham.

1898. Royce, Frederick Henry, Messrs. F. H. Royce and Co., Cooke Street, Hulme, Manchester. [*Switch, Manchester.* 772 and 3562.]

1897. Roylance, Arthur Herbert, Haworth's Buildings, 5 Cross Street, Manchester.

1898. Russell, Bridgman, 42 Berwick Street, Oxford Street, London, W. [*Ventilabro, London.* Gerrard 5349.]

1902. Ruthven-Murray, Ethelbert Thomas, Electrical Engineer, Willesden District Council, Public Offices, Dyne Road, Kilburn, London, N.W.

1902. Rutter, Henry Fillmer, West Middlesex Water Works, Hammersmith, London, W.

1885. Ryan, John, D.Sc., Woolwich Polytechnic, William Street, Woolwich.

1902. Sainty, Christopher, Engineer and Manager, Windsor Corporation Water Works, Tangier Islands, Eton, Windsor. [*Sainty, Eton.* Windsor 0148.]

1903. Sampson, Edward Dudley, District Locomotive Superintendent, Southern Mahratta Railway, Hubli, India: (or care of Messrs. Thomas Cook and Son, Ludgate Circus, London, E.C.)

1874. Sampson, James Lyons, Messrs. David Hart and Co., North London Iron Works, Wenlock Road, City Road, London, N. [*Bascule, London.* King's Cross 733.]

1901. Sams, Joseph Henry, Chatwood's Safe and Lock Co., 76 Newgate Street, London, E.C. [*Chatwoods, London.* 6835.]

1865. Samuelson, The Right Hon. Sir Bernhard, Bart., F.R.S., Britannia Iron Works, Banbury; 56 Prince's Gate, South Kensington, London, S.W.; and Lupton, Brixham, South Devon.

1881. Samuelson, Ernest, Messrs. Samuelson and Co., Britannia Iron Works, Banbury.

1890. Sandberg, Christer Peter, Palace Chambers, Bridge Street, Westminster, S.W.

1899. Sandeman, Edward, Engineer, Derwent Valley Water Board, Bamford, Sheffield.

1881. Sanders, Henry Conrad, Messrs. H. G. Sanders and Son, Victoria Works, Gordon Road, Southall; and 2 Silby Villas, Norwood Road, Southall.

1871. Sanders, Richard David, 5 Kidbrook Grove, Blackheath, London, S.E.

1886. Sandford, Horatio, Messrs. E. A. and H. Sandford, Thames Iron Works, Gravesend.

1881. Sandiford, Charles, C.B., Locomotive Superintendent, Uganda Railway, Mombasa.

1891. Sands, Harold, Craythorne, Tenterden, Ashford, Kent.

1894. Sankey, Captain Matthew Henry Phineas Riali, Messrs. Willans and Robinson, Victoria Works, Rugby. [*c/o Willans, Rugby.*]

1899. Sargeant, Edward Frank, Lower Street, Stroud, Gloucestershire. [*Sargeant, Stroud.* 14.]

1900. Sauvage, Edouard, Professeur à l'Ecole des Mines de Paris et au Conservatoire des Arts et Métiers, Ingénieur en Chef Conseil de la Cie. des Chemins de Fer de l'Ouest, 14 Rue Eugène Flachat (17^e arr^e), Paris.

1874. Sauvée, Albert, Union Works, 60 Park Street, Southwark, London, S.E. [*Savez, London.* Hop 218.]

1902. Savage, John Thomas, Messrs. Savage Brothers, St. Nicholas Iron Works, Alexandra Dock, King's Lynn. [*Savage, Lynn.* 9.]

1891. Savill, Arthur Slater, Exhaust Steam Injector Company, 4 St. Ann's Square, Manchester.

1880. Saxby, John, Messrs. Saxby and Farmer, Railway Signal Works, Canterbury Road, Kilburn, London, N.W. [*Signalmen, London.* Kilburn 421]; and North Court, Hassocks, R.S.O., Sussex.

1893. Saxon, Alfred, Openshaw Engineering Works and Examiner Buildings, Manchester. [959 and 3904.]

1894. Saxon, George, Openshaw Engineering Works and Examiner Buildings, Manchester. [959 and 3904.]

1894. Saxon, James, Openshaw Engineering Works and Examiner Buildings, Manchester. [959 and 3904.]

1902. Sayers, Ricardo John Henry, Albion Iron Works, Miles Platting, Manchester.

1869. Scarlett, James, Messrs. E. Green and Son, 2 Exchange Street, Manchester; and Stamford Road, Bowdon, R.O., near Altrincham.

1890. Schofield, George Andrew, Minna Cottage, Hunstanton.

1886. Scholes, William Henry, 1255 Rivadavia, Buenos Aires, Argentine Republic.

1883. Schönheyder, William, 4 Rosebery Road, Brixton, London, S.W. [*Schönheyder, London.*]

1890. Schroller, William, Malton Colliery, Esh, Durham.

1886. Schurr, Albert Ebenezer, Messrs. Fry Miers and Co., Suffolk House, 5 Laurence Pountney Hill, London, E.C.

1891. Scott, Arthur Forbes, 171 Swan Arcade, Bradford.

1882. Scott, Charles Herbert, Messrs. Summers and Scott, High Orchard Iron Works, Gloucester.

1890. Scott, Frederick McClure, 89 Victoria Street, Liverpool.

1881. Scott, James, 25 Woodhead Street, Dunfermline.

1886. Scott, James, Consett Iron Works, Consett, R.S.O., County Durham.

1894. Scott, Robert, H.M. Mint, Calcutta, India.

1891. Scott, Robert Julian, Professor of Engineering, New Zealand University Canterbury College, Christchurch, New Zealand.

1861. Scott, Walter Henry, Park Road, East Molesey, Surrey.

1899. Scott, William George, 26 Dingle Lane, Liverpool.

1896. Scriven, Charles, Leeds Old Foundry, Leeds.

1882. Seabrook, Alfred William, 40 Mayfair Avenue, Ilford.

1892. Seaman, Charles Joseph, General Manager, Messrs. Heenan and Froude Newton Heath Iron Works, near Manchester. [*Spherical, Newton Heath.* 966 A.]

1882. Seaton, Albert Edward, 32 Victoria Street, Westminster, S.W. [*Sequake, London.* 207 Victoria.]

1893. Segundo, Edward Carstensen de, 267 Dashwood House, New Broad Street, London, E.C. [*Awesome, London.* 2686 Central.]

1891. Selby, Millin, 2 Rue du Lac, Bruxelles, Belgium.

1882. Selfe, Norman, 279 George Street, Sydney, New South Wales.

1884. Sellers, Coleman, E.D., Sc.D., 1301 Stephen Girard Building, Philadelphia, Pennsylvania, United States.

1865. Sellers, William, Pennsylvania Avenue, Philadelphia, Pennsylvania United States.

1896. Sennett, Alfred Richard, Sennett Laboratory, 304 King's Road, Chelsea, London, S.W.

1903. Severn, William Henry, 9 Bridge Street, Westminster, S.W. [4522 Gerrard.]

1883. Shackleford, Arthur Lewis, General Manager, Britannia Railway-Carriage and Wagon Works, Saltley, Birmingham.

1884. Shackleford, William Copley, Managing Director, Metropolitan Amalgamated Railway Carriage and Wagon Co., Lancaster. [*Wagon, Lancaster.* 18.]

1894. Shand, John, General Manager, Federal Paper Mills Co., Botany, Sydney, New South Wales.

1903. Shanks, Arthur Thornton, Chief Engineer, Hultsdorf Mills, Colombo, Ceylon.

1884. Shanks, William, Messrs. Thomas Shanks and Co., Johnstone, near Glasgow. [*Shanks, Johnstone.*]

1902. Sharman, Philip Alan, 113 Cannon Street, London, E.C.; and 65 Tilehouse Street, Hitchin, Herts. [*Graftonian, London.*]

1897. Sharp, John, Bolton Iron and Steel Works, Bolton. [*Hammer, Bolton.* 161.]

1895. Sharp, John Hutchinson, Messrs. Sharp, Stewart and Co., Atlas Works, Glasgow.

1898. Sharp, Sidney, 34 Victoria Street, Westminster, S.W.

1875. Sharp, Thomas Budworth, Consulting Engineer, Muntz Metal Works, Birmingham; and County Chambers A, Martineau Street, Birmingham. [*Budworth, Birmingham.*]

1897. Sharpley, George Ruston, Messrs. Ruston, Proctor and Co., Sheaf Iron Works, Lincoln.

1881. Shaw, Joshua, Messrs. John Shaw and Sons, Wellington Street Works, Salford, Manchester.

1900. Shaw, Percy Charles William, Tramway Construction Branch, Public Works, Sydney, New South Wales.

1899. Shawcross, George Nuttall, Lancashire and Yorkshire Railway, Horwich, near Bolton.

1902. Shawfield, Charles Edwin Campbell, Resident Electrical Engineer, Corporation Electricity Works, Wolverhampton.

1902. Sheffield, George Harrison, 15 New Bridge Street, Newcastle-on-Tyne.

1890. Sheldon, Harry Cecil, Messrs. Boult and Wade, 63 Long Row, Nottingham. [*Boult, Nottingham.* 645.]

1900. Sheldon, William John, Resident Engineer, São Paulo Railway, São Paulo, Brazil.

1892. Shepherd, James, Hulne Avenue, Tynemouth, North Shields.

1899. Shepherd, Richard Lillington, care of Chillagoe Railway and Mines Co., 39 Queen Street, Melbourne, Victoria.

1875. Sheppard, Herbert Gurney, Inspector General of Stores, Egyptian State Railways, Gabbari, Alexandria, Egypt: (or 89 Westbourne Terrace, Hyde Park, London, W.)

1876. Shield, Henry, Messrs. Fawcett Preston and Co., Phoenix Foundry, 17 York Street, Liverpool.

1888. Shin, Tsuneta, Director, Ishikawajima Shipbuilding and Engineering Co., Tokyo, Japan.

1892. Shirlaw, Andrew, Wellington Road, Handsworth Wood, Birmingham.

1889. Shone, Isaac, 47 Victoria Street, Westminster, S.W.

1890. Shoosmith, Harry, Wynford, Abbey Wood, Kent.

1903. Short, Alfred, Victoria Engineering Works, Shepstone Street, Durban
Natal.

1893. Shroff, Adurjee Burjorjee, Chief Engineer, Sassoon Spinning Mills,
Bombay, India.

1885. Shuttleworth, Alfred, Messrs. Clayton and Shuttleworth, Stamp End
Works, Lincoln. [*Claytons, Lincoln.*]

1885. Shuttleworth, Lt.-Colonel Frank, Messrs. Clayton and Shuttleworth, Stamp
End Works, Lincoln; and Old Warden Park, Biggleswade. [*Claytons,*
Lincoln.]

1899. Sibbering, George Thomas, Engineer, Taff Vale Railway, Cardiff.

1891. Siemens, Alexander (*Life Member*), 12 Queen Anne's Gate, Westminster,
S.W.

1898. Sillar, Arthur Molyneux, 2 Queen Anne's Gate, Westminster,
S.W.

1897. Sime, William, Messrs. Cook and Co., East London Soap Works, Bow,
London, E.

1899. Simmance, John Frederick, Messrs. Simmance and Abady, Westminster
Works, Earl Street, Westminster, S.W.

1901. Simmons, George Thomas, Engineer Commander R.N., Holly Tree House,
Franklin Road, New Brompton, R.S.O., Kent.

1877. Simonds, William Turner (*Life Member*), Messrs. J. C. Simonds and Son,
Oil Mills, Boston.

1876. Simpson, Arthur Telford, Engineer, Chelsea Water Works, 38 Parliament
Street, Westminster, S.W.

1883. Simpson, Charles Liddell, Messrs. Simpson and Co., Engine Works,
101 Grosvenor Road, Pimlico, London, S.W. [*Aquosity, London.*]

1885. Simpson, James Thomas, Superintending Engineer, Public Works
Department, Toungoo, Burma.

1882. Simpson, John Harwood, 1 Hargwyne Street, Brixton, London,
S.W.

1902. Simpson, William, Harbour Engineer's Office, Aberdeen.

1903. Sinclair, Herbert, District Locomotive Superintendent, Great Northern
Railway, Leeds.

1891. Sinclair, Russell, Messrs. J. Wildridge and Sinclair, 82 Pitt Street, Sydney
New South Wales.

1881. Sisson, William, Quay Street Iron Works, Gloucester. [*Sisson, Gloucester.*]

1872. Slater, Alfred, Gloucester Wagon Works, Gloucester.

1902. Slater, James George, Works Manager, Messrs. James Simpson and Co.,
Lowfield Foundry, Newark.

1892. Slight, George Henry, Inspector General of Lighthouses, Casilla 812, Valparaiso, Chile: (or care of George H. Slight, Sen., Kendall, Meadfoot Road, Torquay.)

1885. Slight, William Hooper, Messrs. W. Henderson and Co., Soerabaya, Java: (or care of G. H. Slight, 64 Cromwell Road, Fitzhugh, Southampton.)

1891. Sloan, Robert Alexander, Messrs. Sloan and Lloyd Barnes, 34 Castle Street, Liverpool. [*Technical, Liverpool.* 6080.]

1886. Small, James Miln, 17 Victoria Street, Westminster, S.W.

1897. Smallman, Herbert Spencer, Globe Tube Works, Wednesbury. [*Tubes, Wednesbury.* 6504.]

1900. Smart, Alexander, Erith, S.O., Kent.

1898. Smart, Leslie Sanderson, Locomotive Department, London Brighton and South Coast Railway, Brighton.

1901. Smart, Robert Howie, Messrs. Blake, Barclay and Co., Victoria Works, Greenock. [*Filter, Greenock.* 130.]

1899. Smeddle, John Henry, Assistant Locomotive Superintendent, North Eastern Railway, Darlington.

1889. Smelt, John Dann, River Plate House, Finsbury Circus, London, E.C. [*Smelt, London.* 1000 London Wall.]

1899. Smethurst, William, 97 Bridge Street, Manchester.

1901. Smith, Daniel, Messrs. Daniel Smith and Co., Castle Iron Works, Raglan Street, Wolverhampton. [*Presses, Wolverhampton.* 210.]

1860. Smith, Henry, Messrs. Hill and Smith, Brierley Hill Iron Works, Brierley Hill; and Summerhill, Kingswinford, near Dudley. [*Fencing, Brierley Hill.*]

1881. Smith, Henry, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1898. Smith, Isaac, Messrs. Sydney Smith and Sons, Basford Brass Works, Nottingham; and Hickling Lodge, near Keyworth, Notts. [*Smiths, Nottingham.* 1537.]

1893. Smith, John, Salford Works, Richard Street, Birmingham. [*Profiler, Birmingham.* 2540.]

1898. Smith, John, Burton Brewery Co., Burton-on-Trent.

1883. Smith, John Bagnold, Westfield House, Sutton-in-Ashfield, Nottingham.

1891. Smith, John Reney, Messrs. H. and C. Grayson, 179 Regent Road, Liverpool.

1898. Smith, John William, Locomotive Department, Midland Railway, Derby.

1870. Smith, Michael Holroyd, Royal Insurance Buildings, Crossley Street, Halifax; and 47 Victoria Street, Westminster, S.W. [*Outfall, London.*]

1886. Smith, Reginald Arthur, Messrs. Dorman and Smith, Ordsal Station Electrical Works, Salford, Manchester.

1881. Smith, Professor Robert Henry, 12 Parliament Mansions, Victoria Street Westminster, S.W.

1897. Smith, Robert Walker, Works Manager, New Enfield Cycle Co., Hunt End Works, Redditch; and Stoneleigh, Redditch.

1896. Smith, Roger Thomas, 17 Victoria Street, Westminster, S.W.

1897. Smith, Sidney, P.O. Box 1905, Johannesburg, Transvaal, South Africa.

1903. Smith, Lt.-Colonel Stanley George Drew, R.A., Superintendent, Gun Carriage Factory, Jabalpur, Central Provinces, India.

1895. Smith, Thomas, Messrs. Thomas Smith and Sons, Steam and Electric Crane Works, Old Foundry, Rodley, near Leeds. [Smith, Rodley. Stanningley 18.]

1898. Smith, Tom Graves, Messrs. Humpidge, Holborow and Co., Dudbridge Iron Works, Stroud, Gloucestershire [Humpidge, Cainscross. 7.]; and The Tynings, Stonehouse, Gloucestershire.

1898. Smith, Walter Mackersie, Locomotive Department, North Eastern Railway, Gateshead.

1881. Smith, Wasteneys, 59 Sandhill, Newcastle-on-Tyne. [Wasteneys, Newcastle-on-Tyne. G.P.O. 429; Nat. 2018.]

1890. Smith, William, Manager, Messrs. Pilkington Brothers, British Plate Glass Works, Ravenhead, St. Helens, Lancashire.

1900. Smith, William Hill, Messrs. Smith Brothers and Eastwood, Valley Iron Works, Bradford; and 2 Savile Row, Halifax.

1887. Smith, William Mark, District Locomotive Carriage and Wagon Superintendent, Great Southern and Western Railway, Cork.

1891. Snell, John Francis Cleverton, Borough Electrical Engineer, Central Offices, Town Hall, Sunderland.

1883. Snelus, George James, F.R.S., Ennerdale Hall, Frizington, near Carnforth.

1885. Snowdon, John Armstrong, Stanners Closes Steel Works, Wolsingham, near Darlington.

1897. Snoxell, George Edgar, Globe Works, Bankhall, Liverpool.

1895. Somers, Walter, Haywood Forge, Halesowen, near Birmingham.

1887. Sorabji, Shapurji, Messrs. Shapurjee and Ratanshaw, 77 Finsbury Pavement, London, E.C.

1889. Souter-Robertson, David, Officiating Superintendent, Government Canal Foundry and Workshops, Roorkee, North Western Provinces, India.

1885. Southwell, Frederick Charles, Messrs. F. C. Southwell and Co., 75 Southwark Street, London, S.E. [Prevailing, London.]

1900. Sparkes, Samuel Hurford, General Manager, Messrs. Fox Brothers and Co., Wellington, Somerset.

1893. Spence, Arthur William, Manager, Cork Street Foundry and Engineering Works, Dublin.

1898. Spence, Wilfrid L., Managing Director, British Electric Plant Co., Alloa.

1887. Spence, William, Cork Street Foundry and Engineering Works, Dublin.

1887. Spencer, Alexander, Messrs. George Spencer, Moulton and Co., 77 Cannon Street, London, E.C. [*George Spencer, London.*]

1878. Spencer, Alfred G., Messrs. George Spencer, Moulton and Co., 77 Cannon Street, London, E.C. [*George Spencer, London.*]

1896. Spencer, Charles James, Messrs. Hendry and Pattisson, 4 Marlborough Mews, Hills Place, Oxford Street, London, W.

1892. Spencer, Henry Bath, 144 St. Vincent Street, Glasgow. [*Concentration, Glasgow.* 5441.]

1877. Spencer, John, Globe Tube Works, Wednesbury; and 14 Great St. Thomas Apostle, London, E.C. [*Tubes, Wednesbury. Tubes, London.* 6504.]

1897. Spencer, John, Atlas Works, Keighley. [*Spencer, Engineer, Keighley.* 118.]

1867. Spencer, John W., Newburn Steel Works, Newcastle-on-Tyne. [*Newburn, Newcastle-on-Tyne.*]

1885. Spencer, Mountford, Messrs. Luke and Spencer, Broadheath, near Manchester; and The Hill, Teignmouth.

1897. Spencer, Thomas Harris, Globe Tube Works, Wednesbury. [*Tubes, Wednesbury.* 6504.]

1891. Spencer, William, Messrs. James Spencer and Co., Chamber Iron Works, Hollinwood, near Manchester.

1885. Spooner, George Percival, 62D Salusbury Road, West Kilburn, London, N.W.

1883. Spooner, Henry John, Director and Professor of Engineering at the Polytechnic School of Engineering, 309 Regent Street, London, W.

1896. Spring, Francis Joseph Edward, C.I.E., Government Consulting Engineer for Railways, Madras, India.

1901. Sprott, Robert Edmund, Bridgewater Collieries and Ellesmere Estates, Walkden, Manchester.

1869. Stabler, James, 13 Effra Road, Brixton, London, S.W.

1897. Stagg, William, Avon Street Gas Works, Bristol.

1899. Stamer, Arthur Cowie, District Locomotive Superintendent, North Eastern Railway, York.

1877. Stanger, George Hurst, Queen's Chambers, North Street, Wolverhampton.

1888. Stanley, Harry Frank, Messrs. H. Pontifex and Sons, Farringdon Works, Shoe Lane, London, E.C.; and 11 Albert Mansions, Crouch Hill, London, N.

1888. Stannah, Joseph, 20 Southwark Bridge Road, London, S.E.

1884. Stanton, Frederic Barry, Mansion House Chambers, 11 Queen Victoria Street, London, E.C.

1901. Stead, William, Managing Director, Messrs. Browett, Lindley and Co., Sandon Works, Patricroft, Manchester.

1897. Steele, James, Works Manager, Messrs. R. Y. Pickering and Co., Wishaw, near Glasgow.

1901. Steele, Robert, 6 Gracechurch Street, London, E.C. [*Forenoon, London. Avenue 972.*]

1901. Steele, William Russell, Messrs. Burn and Co., Howrah Iron Works, Howrah, Bengal, India.

1901. Stenning, Henry Alexander, Annandale, Strafford Road, Twickenham.

1868. Stephenson, George Robert, Ben Braich, Tilehurst Road, Reading.

1879. Stephenson, Joseph Gurdon Leycester, 33A The Broadway, Hammersmith, London, W. [*Dowell, Broadway, Hammersmith. Western 140.*]

1888. Stephenson-Peach, William John, Kirkleatham, Great Malvern.

1876. Sterne, Louis, Messrs. L. Sterne and Co., Crown Iron Works, Glasgow [*Crown, Glasgow.*]; and Donington House, Norfolk Street, London, W.C. [*Elsterne, London. Gerrard 1989.*]

1898. Stevens, Arthur James, Managing Director, Uskside Iron Works, Newport, Monmouthshire. [*Uskside, Newport, Mon. P.O. 29; Nat. 53.*] (Former Member 1875-1886.)

1891. Stevens, James, 9 and 11 Fenchurch Avenue, London, E.C.

1894. Stevens, Thomas, 117 Fornham Road, Bury St. Edmunds.

1902. Stevenson, Charles William, Locomotive Superintendent, Companhia Mogicana, Campinas, Brazil.

1887. Stevenson, David Alan, F.R.S.E., 84 George Street, Edinburgh.

1902. Stevenson, Graham Morton, 15 Charles Street, Cardiff.

1898. Stevenson, Hew, Messrs. Crompton and Co., Salisbury House, London Wall, London, E.C.

1878. Stewart, Duncan, Messrs. Duncan Stewart and Co., London Road Iron Works, Glasgow [*Stewart, Glasgow. Royal 531.*]; and 9 York Drive, Glasgow, W.

1903. Stewart, George, Bangkok, Siam.

1892. Still, William Henry, 28 Bridge End Road, Wandsworth, London, S.W.

1880. Stirling, James, Belmore, Ashford, Kent.

1885. Stirling, Matthew, Locomotive Superintendent, Hull Barnsley and West Riding Junction Railway and Dock Co., Hull.

1896. Stirling, Patrick, Great Northern Railway, Doncaster; and St. James' Cottage, Doncaster.

1888. Stirling, Robert, 12 The Avenue, Colchester.

1898. Stirling, Robert, care of James Stirling, Belmore, Ashford, Kent.

1898. Stobie, George, Government Harbour Department, Durban, Natal.

1901. Stocker, Percy, Engineer Lieut. R.N., Elmsleigh, St. Austell.

1893. Stockton, Joseph Sadler, Managing Director, Carbrook Steel Works, Sheffield; and Beech House, Whiteley Woods, Sheffield.

1902. Stodola, Aurel, Professor of Mechanical Engineering, École Polytechnique Fédérale, Zürich, Switzerland.

1887. Stone, Frank Holmes, G.P.O., Freetown, Sierra Leone.

1894. Stone, Sidney, Locomotive Department, Great Central Railway, Gorton, Manchester.

1903. Storey, Percival, Electrical Engineer, Electricity Works, Torquay.

1901. Stormont, Peter Campbell, 125 Hamilton Place, Aberdeen.

1877. Stothert, George Kelson, Steam Ship Works, Bristol.

1892. Strachan, John, Craigisla, Penylan, Cardiff.

1888. Straker, Sidney, 9 Bush Lane, Cannon Street, London, E.C. [*Rhomboidal, London. Bank 5200.*]

1897. Strickland, Frederic, 215 Upper Richmond Road, Putney, London, S.W. 1

1895. Stromeier, Johann Philipp Edmond Charles, Manchester Steam Users' Association, 9 Mount Street, Manchester.

1899. Stubbs, Joseph Hetherington, Mill Street Works, Ancoats, Manchester. [*Winding, Manchester.*]

1903. Sturgess, Archibald Thomas, Messrs. Sturgess and Foley, 52 Alcala, Madrid, Spain.

1890. Stutzer, Waldemar, Koltchugin Brass and Copper Mill Co., Alexandrov Station, Jaroslav Railroad, Russia.

1882. Sugden, Thomas, 180 Fleet Street, London, E.C. [*Holborn 186.*]

1890. Sulzer, Jacob, Messrs. Sulzer Brothers, Winterthur, Switzerland.

1861. Sumner, William, Butt Hill, Prestwich, Manchester.

1899. Surtees, Henry Wardale, Parker Foundry Co., Derby.

1875. Sutcliffe, Frederic John Ramsbottom, 52 Ash Grove, Bradford.

1883. Sutton, Joseph Walker, 36 Bedford Street, Strand, Loudon, W.C.

1882. Swaine, John, Publow Vicarage, Pensford, Bristol.

1884. Swan, Joseph Wilson, F.R.S., 57 Holborn Viaduct, London, E.C.; and 58 Holland Park, London, W.

1898. Swasey, Ambrose, Messrs. Warner and Swasey, Cleveland, Ohio, United States.

1903. Swift, John Crane, Messrs. Thompson Brothers, 155 Fenchurch Street, London, E.C.

1897. Swinburne, George, 99 Queen Street, Melbourne, Victoria.

1898. Swinburne, James, 82 Victoria Street, Westminster, S.W. [*Westminster 292.*]

1882. Swinburne, Mark William, Wallsend Brass Works, Newcastle-on-Tyne; and The Cottage, Jesmond Park East, Newcastle-on-Tyne. [*Bronze, Wallsend.*]

1901. Swinburne, William, Manager, Melbourne Hydraulic Power Co., 99 Queen Street, Melbourne, Victoria.

1864. Swindell, James Swindell Evers, Homer Hill, Cradley, Staffordshire.

1898. Swingler, Alfred, Messrs. Eastwood, Swingler and Co., Victoria and Railway Iron Works, Derby. [*Swingler, Derby.* 150.]

1900. Taggart, William Scott, Gleadale, Warwick Road, Hale, Altrincham.

1878. Taite, John Charles, New Taite Howard Pneumatic Tool Co., 63 Queen Victoria Street, London, E.C. [6925 Central.]; and The Corner House, Shortlands, S.O., Kent.

1901. Talbot, Benjamin, Westminster Chambers, East Parade, Leeds. [*Talco, Leeds.* 975.]

1875. Tangye, George, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham. [*Tangyes, Birmingham.*]

1889. Tangye, Harold Lincoln, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham.

1861. Tangye, James, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham; and Aviary Cottage, Illogan, near Redruth.

1885. Tangye, John Henry, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham.

1895. Tannett, John Croysdale, Messrs. Fullerton, Hodgart and Barclay, Vulcan Works, Paisley.

1891. Tannett-Walker, Arthur Tannett, Messrs. Tannett Walker and Co., Goodman Street Works, Hunslet, Leeds.

1899. Taplin, John Minter, Vulcan Boiler and General Insurance Co., 12 Alton Road, Chadwell Heath, R.S.O., Essex.

1879. Tatt, William, Maythorn, South Godstone, Surrey.

1876. Taunton, Richard Hobbs, 10 Coleshill Street, Birmingham.

1874. Taylor, Arthur, 71 Edith Road, West Kensington, London, W.

1900. Taylor, Charles Gerald, Engineer Lieut. R.N., H.M.S. "Aurora," Special Service, care of The Admiralty, Whitehall, London, S.W.

1898. Taylor, Edward, Jun., Messrs. Thomas and Taylor, 80 Lower Hillgate, Stockport.

1900. Taylor, Edward Brough, 27 Great George Street, Westminster, S.W.

1873. Taylor, John, Elmhurst, Lucknow Drive, Nottingham.

1884. Taylor, Joseph, Holme Lea, Tatton Road North, Heaton Moor, near Stockport.

1875. Taylor, Joseph Samuel, Messrs. Taylor and Challen, Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [*Derwent, Birmingham.*]

1874. Taylor, Percyvale, 17 Ashburn Place, South Kensington, London, S.W.

1893. Taylor, Robert, Jun., Works Manager, Messrs. Asa Lees and Co., Soho Iron Works, Oldham.

1882. Taylor, Robert Henry, Stanton Villa, 230 Lewisham High Road, St. John's, London, S.E.

1894. Taylor, William, Messrs. Taylor, Taylor and Hobson, Stoughton Street Works, Leicester. [*Lenses, Leicester.* 134.]

1901. Taylor, William, Messrs. Taylor Brothers, Midland Engineering and Foundry Works, Sandiacre, near Nottingham. [*Taylor Bros., Sandiacre.* 1635.]

1896. Taylor, William Isaac, Messrs. Clarke, Chapman and Co., 50 Fenchurch Street, London, E.C.

1895. Tebbutt, Sidney, Bagenholt, Northlands Road, Southampton.

1864. Tennant, Sir Charles, Bart. (*Life Member*), The Glen, Innerleithen, near Edinburgh.

1882. Terry, Stephen Harding, 17 Victoria Street, Westminster, S.W.

1891. Tetlow, Ernest, Messrs. Tetlow Brothers, Bottoms Iron Works, Hollinwood, near Manchester.

1899. Thackeray, Thomas, Messrs. Vickers, Sons and Maxim, Barrow-in-Furness.

1877. Thom, William, Messrs. Yates and Thom, Canal Foundry, Blackburn.

1896. Thomas, James Martin, Superintending Engineer, Boston and Dominion Lines of Steamers; 15 Pembroke Road, Bootle, Liverpool.

1867. Thomas, Joseph Lee, 2 Hanover Terrace, Ladbroke Square, Notting Hill, London, W.

1897. Thomas, Lewis Richard, Great Western Railway Works, Swindon; and Ross House, Edinburgh Place, Weston-super-Mare.

1900. Thompson, George William, Chief Engineer, Messrs. Harrods, Brompton Road, London, S.W.; and 11 Gunterstone Road, West Kensington, London, W.

1875. Thompson, John, Highfield Boiler Works, Ettingshall, Wolverhampton. [*Boiler, Wolverhampton.*]

1903. Thompson, John, Harbour Engineer, Dundee.

1900. Thompson, John Robert, 10 West Twenty-third Street, New York, United States; and Talbot House, Knowle, Bristol.

1883. Thompson, Richard Charles, Messrs. Robert Thompson and Sons, Bridge Dockyard, Sunderland.

1887. Thompson, William Phillips, 6 Lord Street, Liverpool. [*Patent, Liverpool.* 1605.]

1901. Thomson, Charles, Engineer R.N., River Ambulance Steamers, Metropolitan Asylums Board, Victoria Embankment, London, E.C.; and Brendon, Half Moon Lane, North Dulwich, London, S.E.

1900. Thomson, George, Natal Government Harbour Works, Port Natal, South Africa.

1868. Thomson, John, 3 Crown Terrace, Dowanhill, Glasgow.

1893. Thornbery, William Henry, 32 Paradise Street, Birmingham. [*Thornbery, Birmingham. 1889.*]

1898. Thorneley, William, Works Manager, Great Central Railway, Gorton, Manchester.

1868. Thornewill, Robert, Messrs. Thornewill and Warham, Burton Iron Works, Burton-on-Trent.

1885. Thornley, George, Messrs. Buxton and Thornley, Waterloo Engineering Works, Burton-on-Trent.

1877. Thornton, Frederic William, The Hydraulic Engineering Co., Chester.

1882. Thornton, Hawthorn Robert, Sandilli House, Uitenhage, Cape Colony.

1876. Thornycroft, Sir John Isaac, LL.D., F.R.S., Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W. [*Thornycroft, London. 7306.*]

1882. Thow, William, Chief Mechanical Engineer, New South Wales Government Railways, Eveleigh, Sydney, New South Wales: (or care of Joseph Meilbek, 13 Victoria Street, Westminster, S.W.)

1895. Threlfall, George, Savage Club, 6 Adelphi Terrace, Strand, London, W.C.

1898. Ticehurst, Hugh Gorham, Thames Ammunition Works, Erith, S.O., Kent; and Telham, Freta Road, Bexley Heath, Kent.

1885. Timmermans, François, Managing Director, Société anonyme des Ateliers de la Meuse, Liége, Belgium. [*Société Meuse, Liége.*]

1884. Timmis, Illius Augustus, 2 Great George Street, Westminster, S.W. [*Timmis, London.*]

1890. Titley, Arthur, Beechwood, Hartopp Road, Four Oaks, Sutton Coldfield, near Birmingham.

1875. Tomkins, William Steele, North British Locomotive Co., 17 Victoria Street, Westminster, S.W.

1894. Touch, John Edward, Throgmorton House, 15 Copthall Avenue, London, E.C. [9691 London Wall.]

1883. Tower, Beauchamp, Hillstead, Brentwood.

1889. Towler, Alfred, Messrs. Hathorn Davey and Co., Sun Foundry, Leeds.

1890. Trail, John, Marine Superintendent, Knott's Prince Line of Steamers, Newcastle-on-Tyne; and 21 Grosvenor Place, Newcastle-on-Tyne.

1901. Travers, Ernest James, Messrs. Travers and Co., Britannia Works, Belfast.

1888. Travis, Henry, Superintending Engineer and Constructor of Shipping to the War Department, Royal Dockyard, Woolwich.

1889. Treharne, Gwilym Alexander, 18 Canon Street, Aberdare. [*Treharne, Aberdare. 18.*]

1889. Trenero, William Penrose, Boulogne-sur-Mer, France.

1883. Trentham, William Henry, 39 Victoria Street, Westminster, S.W.

1876. Trevithick, Richard Francis, Locomotive and Carriage Superintendent, Japanese Government Railways, Kobe, Japan: (or care of Mrs. Mary Trevithick, The Cliff, Penzance.)

1887. Trier, Frank, Messrs. Brunton and Trier, 1 Great George Street, Westminster, S.W.

1896. Trotter, Alexander Pelham, Board of Trade, 8 Richmond Terrace, Whitehall, London, S.W.

1885. Trueman, Thomas Brynaly, care of Mrs. Trueman, The Terrace, St. Ives, Cornwall.

1901. Tullis, David Kiel, Messrs. D. and J. Tullis, Kilbowie Iron Works, near Glasgow. [*Tullis, Clydebank.*]

1903. Tully, William, 16 Water Lane, Great Tower Street, London, E.C. [*Glist, London. 975 Central.*]

1887. Turnbull, Alexander, Messrs. Alexander Turnbull and Co., St. Mungo Works, Bishopbriggs, Glasgow. [*Valve, Glasgow. Royal 4394.*]

1894. Turner, Albert, Whitehouse Machine Works, Denton, near Manchester. [*Machines, Denton. 205.*]

1897. Turner, Alfred, Works Manager, Messrs. George Jones, Lionel Street, Birmingham.

1866. Turner, Frederick, Messrs. E. R. and F. Turner, St. Peter's Iron Works, Ipswich. [*Gippeswyk, Ipswich.*]

1882. Turner, Thomas, Messrs. Andrew Barclay, Sons and Co., Caledonia Works, Kilmarnock. [*Barclayson, Kilmarnock. 10.*]

1886. Turner, Tom Newsum, Vulcan Iron Works, Langley Mill, near Nottingham.

1876. Turney, Sir John, Messrs. Turney Brothers, Trent Bridge Leather Works, Nottingham. [*Turney, Nottingham.*]

1899. Turton, William Henry, 220 Burrage Road, Plumstead.

1882. Tweedy, John, Messrs. Wigham Richardson and Co., Newcastle-on-Tyne.

1897. Twelvetrees, Walter Noble, 47 Victoria Street, Westminster, S.W.; and 91 Louisville Road, Tooting, London, S.W.

1902. Twinberrow, James Denis, 15 New Bridge Street, Newcastle-on-Tyne.

1856. Tyler, Sir Henry Whatley, K.C.B., Linden House, Highgate Road, London, N.W.

1903. Ullmann, William Charles, Engineer, East Ham Council, Electric Lighting and Tramways Department, Nelson Street, East Ham, London, E. ; and 20 Forest Drive, Manor Park, London, E.

1896. Umney, Herbert Williams, 19 Sylvan Road, Upper Norwood, London, S.E.

1899. Unsworth, Herbert George, The Cliff, Railway Avenue, Colombo, Ceylon.

1900. Upward, Alfred Réné, 1A Edinburgh Mansions, Howick Place, Victoria Street, Westminster, S.W.

1898. Urie, Robert Wallace, London and South Western Railway, Nine Elms, London, S.W.

1899. Urie, William Montgomerie, Works Manager, Caledonian Railway, St. Rollox, Glasgow.

1898. Urwick, Arthur John, The Nevile Engineering Co., Worcester.

1880. Valon, William Andrew McIntosh, 140 and 141 Temple Chambers, Temple Avenue, London, E.C. ; and Ramsgate. [*Valon, Ramsgate.*]

1895. Van Raalte, Joseph, General Manager, Royal Shipbuilding and Engineering Works, Flushing, Holland. [*Schelde, Flushing.*]

1901. Vaughan, Cedric, Managing Director, Hodbarrow Mining Co., Millom, R.S.O., Cumberland ; and Leyfield, Millom, R.S.O., Cumberland.

1901. Vaughan, John Alfred, Chief Inspector of Machinery, P.O. Box 1104, Johannesburg, Transvaal, South Africa.

1885. Vaughan, William Henry, Royal Iron Works, West Gorton, Manchester. [*Vaunting, Manchester.* 5106.]

1897. Vaux, Walter, 17 Rhyddings Road, Ilkley.

1862. Vavasseur, Josiah, 28 Gravel Lane, Southwark, London, S.E. ; and Rothbury, Blackheath Park, London, S.E. [*Exemplar, London.*]

1900. Veen, Vernon Alfred Alexander ter, Engineer Lieut. R.N., H.M.S. "Bedford," care of Postmaster-General, London, E.C.

1899. Vernon, Charles Edward, London and India Docks Joint Committee, 109 Leadenhall Street, London, E.C.

1902. Vernon, Percy Venables, Messrs. Alfred Herbert, Coventry.

1889. Vesian, John Stuart Ellis de, 20 New Bridge Street, Blackfriars, London, E.C. [*Biceps, London.*]

1865. Vickers, Albert, Messrs. Vickers, Sons and Maxim, River Don Works, Sheffield.

1861. Vickers, Thomas Edward, C.B., Messrs. Vickers, Sons and Maxim, River Don Works, Sheffield.

1856. Waddington, John, 35 King William Street, London Bridge, London, E.C. [Bank 518.]

1899. Waddington, Richard, 35 King William Street, London Bridge, London, E.C. [Bank 518.]

1898. Waddle, Hugh William, Managing Director, Waddle Patent Fan and Engineering Co., Llanmore Works, Llanelly.

1901. Wadia, Nusserwanjee Nowrosjee, Messrs. Nowrosjee Wadia and Sons, Bombay, India; and Bella Vista, Cumballa Hill, Bombay, India.

1903. Waight, John, Messrs. S. C. Farnham, Boyd and Co., Pootung, Shanghai, China.

1902. Wainford, Richard Hanbury, 19 Woodhouse Villas, Stoke-on-Trent.

1898. Wainwright, John William, Parliament Mansions, [Victoria Street, Westminster, S.W. [Retocar, London.]

1888. Waister, William Henry, Locomotive and Carriage Running Department, Great Western Railway, Swindon.

1881. Wake, Henry Hay, Engineer to the River Wear Commission, Sunderland.

1882. Wakefield, William, 123 Rathgar Road, Dublin.

1892. Waldron, Patrick Lawrence, R.N.R., Rockville Cottage, Castletown Berehaven, Co. Cork, Ireland; and 24 St. Joseph's Road, Aughrim Street, Dublin.

1898. Walke, Charles Nicholas Eves, Inspector of Steam Boilers, Town Custom House, Bombay, India.

1890. Walkeden, George Henry, Abbontiakoon (Wassaw) Mines, Ltd., Tarkwa, via Sekondi, Gold Coast Colony.

1902. Walker, Edwin Robert, Messrs. Walker Brothers, Pagefield Iron Works, Wigan. [Pagefield, Wigan. 14.]

1898. Walker, Frederic James, General Manager, St. James' and Pall Mall Electric Light Co., Carnaby Street, Golden Square, London, W. [Licensable, London. Gerrard 5082.]

1890. Walker, Henry, 9 Gladstone Terrace, Gateshead.

1894. Walker, Henry Claude, Messrs. R. Waygood and Co., Falmouth Road, Great Dover Street, London, S.E. [Waygood, London. Hop 760.]

1875. Walker, John Scarisbrick, Messrs. Walker Brothers, Pagefield Iron Works, Wigan; and 15 Park Crescent, Southport. [Pagefield, Wigan. 14.]

1902. Walker, Percy, Works Manager, Messrs. Callender's Cable and Construction Co., Belvedere, S.O., Kent.

1884. Walker, Sydney Ferris, Bloomfield Crescent, Bath.

1876. Walker, Thomas Ferdinand, Ship's Log Manufacturer, 58 Oxford Street, Birmingham.

1890. Walker, William George, 47 Victoria Street, Westminster, S.W.

1878. Walker, Zaccheus, Jun., Fox Hollies Hall, near Birmingham.

1897. Wall, Charles Henry, 27 Curzon Chambers, Paradise Street, Birmingham.

1884. Wallace, John, Backworth Collieries, near Newcastle-on-Tyne.

1902. Wallace, John Crawford, Superintending Engineer, Mazawattee Tea Co., New Cross, London, S.E.

1895. Wallace, Joseph, St. Fillans, Princetown, Trinidad.

1884. Wallau, Frederick Peter, Superintendent Engineer, Union Steam Ship Co., Southampton.

1904. Wallis, George Pearson, Managing Director, Queen's Engineering Works, Leeds.

1868. Wallis, Herbert, 239 Drummond Street, Montreal, Canada.

1893. Wallwork, Roughsedge, Union Bridge Iron Works, Charter Street, Manchester.

1901. Walmsley, Charles, Atlas Iron Works, Bury, Lancashire. [*Pumps, Bury.* 64.]

1891. Walmsley, John, General Manager, Messrs. J. and P. Coats, Ferguslie Thread Works, Paisley.

1865. Walpole, Thomas, Windsor Lodge, Monkstown, Co. Dublin.

1881. Warburton, John Seaton, 19 Stanwick Road, West Kensington, London, W.

1901. Ward, John, Superintendent Engineer, Amazon Steam Navigation Co., Para, North Brazil.

1902. Ward, Sydney Asliné, Broad Street Lane, Park, Sheffield. [*Metallic, Sheffield.* 1547.]

1864. Warden, Walter Evers, Phoenix Bolt and Nut Works, Handsworth, R.O., near Birmingham. [*Bolts, Birmingham.*]

1882. Wardle, Edwin, Messrs. Manning Wardle and Co., Boyne Engine Works, Hunslet, Leeds. [*Manning, Leeds.*]

1886. Warren, Frank Llewellyn, 120 Fenchurch Street, London, E.C. [*Vibroscope, London.* 9428 Central.]

1890. Warren, Frederick Fridlezius, Managing Director, Messrs. Ross and Walpole, North Wall Iron Works, Dublin. [*Iron, Dublin.* 311.]

1885. Warren, William, 30 St. Swithin's Lane, London, E.C.

1897. Warren, William, Works Manager, Southwick Engine Works, near Sunderland.

1901. Warriner, Robert, Works Manager, Thames Engineering Works, Greenwich, London, S.E.

1889. Warsop, Thomas, Coniston Copper Mines, Coniston, R.S.O., Lancashire.

1900. Watchurst, Charles Leese, 87 Finsbury Pavement, London, E.C.

1881. Watkins, Alfred, 58 Fenchurch Street, London, E.C.

1902. Watkinson, Frederick George, Chief Engineer, Messrs. Thomas De La Rue and Co., 110 Bunhill Row, London, E.C.

1890. Watkinson, William Henry, Professor of Motive Power Engineering, Glasgow and West of Scotland Technical College, 38 Bath Street, Glasgow.

1900. Watney, Thomas Savile, 32-34 Greek Street Chambers, Park Row, Leeds. [*Energy, Leeds.* 2229.]

1893. Watson, George, 39 Victoria Street, Westminster, S.W. [*Meterage, London.*]

1900. Watson, George, Managing Director, Horsfall Destructor Co., Lord Street Works, Whitehall Road, Leeds. [*Destructor, Leeds.* 2006.]

1890. Watson, George Coghlan, Manganese Bronze and Brass Co., St. George's Wharf, Deptford, London, S.E.; and 18 Lennard Road, Croydon.

1882. Watson, Henry Burnett, Messrs. Henry Watson and Son, High Bridge Works, Newcastle-on-Tyne. [*Watsons, Newcastle-on-Tyne.* 6517.]

1896. Watson, James Falshaw, 15 Shaw Lane, Headingley, Leeds. [*Inepection, Leeds.*]

1903. Watson, John, Chief Engineer, Pearson and Knowles Coal and Iron Co., Warrington.

1897. Watson, John B., Manager, British Uralite Works, Higham, Rochester; and King's Farm House, Lower Shorne, Gravesend.

1897. Watson, Thomas John, 32 Grainger Street West, Newcastle-on-Tyne.

1902. Watson, William Cummings, Messrs. R. and W. Hawthorn, Leslie and Co. Forth Banks Works, Newcastle-on-Tyne. •

1877. Watts, John, 8 Nelson Street, Bristol.

1902. Watts, Philip, F.R.S., Director of Naval Construction, Admiralty Whitehall, London, S.W.

1902. Way, Edward John, care of Messrs. Farrar Brothers, 54 Old Broad Street, London, E.C.

1897. Wearing, John Evenden, Swan Buildings, Edmund Street, Birmingham.

1886. Weatherburn, Robert, Locomotive Manager, Midland Railway Works, Kentish Town, London, N.W.

1894. Webb, Henry, Messrs. Joseph Webb and Co., Irwell Forge and Rolling Mills, Bury, Lancashire.

1884. Webb, Richard George, Messrs. Richardson and Cruddas, Byculla Iron Works, Bombay, India: (or care of Messrs. Richardson and Hewett, 101 Leadenhall Street, London, E.C.)

1901. Webb, Thomas Henry, Works Manager, Messrs. Robertson and Orchar, Wallace Foundry, Dundee.

1901. Webster, Francis John, Locomotive Department, Great Northern Railway, Doncaster.

1890. Webster, John James, 39 Victoria Street, Westminster, S.W.

1887. Webster, William, 6 Oxley Road, Singapore, Straits Settlements.

1891. Weightman, Walter James, care of Messrs. King, King and Co., Bombay, India.

1888. Wellman, Samuel T., Wellman-Seaver-Morgan Engineering Co., Cleveland, Ohio, United States.

1898. Wells, George James, 138 Marslands Road, Brooklands, Sale, Manchester.

1886. Wesley, Joseph A., Clarke's Crank and Forge Works, Lincoln.

1882. West, Charles Dickinson, Professor of Mechanical Engineering, Imperial College of Engineering, Tokyo, Japan.

1895. West, Charles Herbert, Messrs. Henry H. West and Son, 5 Castle Street, Liverpool. [*Referee, Liverpool. Central 5223.*]

1898. West, Ernest Henry, Messrs. H. J. West and Co., Stamford Works, Southwark Bridge Road, London, S.E. [*Copperworm, London. Hop 879.*]

1876. West, Henry Hartley, Messrs. Henry H. West and Son, 5 Castle Street, Liverpool. [*Referee, Liverpool. Central 5223.*]

1894. West, John, Albion Iron Works, Miles Platting, Manchester.

1891. West, Leonard, Ravenhead Plate Glass Works, St. Helens, Lancashire.

1874. West, Nicholas James, Messrs. Nicholas J. West and Sons, 186 Gresham House, Old Broad Street, London, E.C. [*Unlapped, London.*]

1877. Western, Charles Robert, Broadway Chambers, Westminster, S.W. [*Donboues, London. Westminster 199.*]

1877. Western, Maximilian Richard (*Life Member*), care of Colonel Western, C.M.G., Broadway Chambers, Westminster, S.W.

1902. Westgarth, Tom, Managing Director, Messrs. Richardsons, Westgarth and Co., Middlesbrough. [*Westgarth, Middlesbrough. 202.*]

1895. Westmacott, Henry Armstrong, Messrs. John Spencer and Sons, Newburn Steel Works, Newcastle-on-Tyne.

1862. Westmacott, Percy Graham Buchanan, Sir W. G. Armstrong, Whitworth and Co., Elswick Engine Works, Newcastle-on-Tyne; and Rose Mount, Sunninghill, Ascot.

1880. Westmoreland, John William Hudson, Lecturer on Engineering, University College, Nottingham.

1903. Weston, Thomas Wilson, Superintending Engineer, Messrs. Rowntree and Co., Cocoa Works, York.

1888. Weyman, James Edwardes, Brae Lea, 26 Kilmaurs Road, Edinburgh.

1900. Whale, George, Chief Mechanical Engineer, London and North Western Railway, Crewe.

1896. Wheeler, Percy, General Manager, Oldbury Railway-Carriage and Wagon Works, Oldbury, near Birmingham. [*Carriage Co., Oldbury.*]

1898. Whitaker, Alfred, Resident Locomotive Superintendent, Somerset and Dorset Joint Railway, Highbridge, R.S.O., Somersetshire.

1894. Whitby, Arthur George, Amberwood, Bitterne Park, Southampton.

1882. White, Alfred Edward, City Engineer, Hull.

1901. White, Alfred Francis, Superintendent Engineer, Nippon Yusen Kaisha, Tokyo, Japan.

1901. White, Robert, 3 Victoria Street, Westminster, S.W.

1888. White, Sir William Henry, K.C.B., LL.D., D.Sc., F.R.S., late Assistant Controller of the Navy and Director of Naval Construction, Cedarcroft, Bristol Gardens, Putney Heath, London, S.W.

1900. Whitehead, Arthur, Messrs. James Armstrong and Co., 116 Queen Victoria Street, London, E.C. [*Tolamaco, London.* 1476 Central.]

1901. Whitehead, Thomas, Broughton Copper Works, Manchester.

1902. Whitehead, Thomas Ross, Resident Engineer and Manager, Coventry Electric Tramways, Coventry.

1890. Whitehouse, Edwin Edward Joseph, Monkbridge Iron Works, Leeds.

1900. Whitmore, Frank Leonard, Messrs. Fraser and Chalmers, Erith, S.O., Kent.

1902. Whittaker, Frederick William, Chief Engineer, Bradford Dyers' Association, 39 Well Street, Bradford.

1891. Whittaker, John, Messrs. William Whittaker and Sons, Sun Iron Works, Oldham.

1897. Whittell, Alfred Leighton, Surveyor, Lloyd's Register, 15 Bank Street, Fort, Bombay, India.

1903. Wicks, Gerald Hamilton, 6a Calle de los Aztecas No. 5, Puebla, Mexico.

1878. Wicks, Henry, 7 Kent Terrace, Regent's Park, London, N.W.

1897. Wicksteed, Charles, Stamford Road Works, Kettering.

1868. Wicksteed, Joseph Hartley, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1897. Widdowson, John Henry, Britannia Works, Ordsal Lane, Salford, Manchester; and 25 Withington Road, Whalley Range, Manchester. [*Taps, Salford.*]

1878. Widmark, Harald Wilhelm, Helsingborgs Mekaniska Verkstad, Helsingborg, Sweden.

1889. Wigham, John Richardson, Messrs. Edmundsons, Stafford Works, 35 Capel Street, Dublin.

1881. Wigzell, Eustace Ernest, Billiter House, Billiter Street, London, E.C. [*Wigzell, London.*]

1890. Wildy, William Lawrence, 26 Petherton Road, Highbury, London, N.

1892. Wilkinson, Edward R., Harwell House, Fortis Green, Finchley, London, N.

1898. Wilkinson, George, Beech Mount, Otley Road, Harrogate.

1903. Wilkinson, Henry Daniel, 4 Queen Street Place, London, E.C. [*Conspicio, London.*]

1903. Wilks, Edward Charles, 9 Beaconsfield Arcade, Hong Kong, China.

1901. Willatt, William Henry, Messrs. Reckitt and Sons, Hull.

1900. Williams, Arthur, Apartado 930, Mexico City, Mexico.

1893. Williams, Arthur Edward, Resident Engineer, Dagenham Dock, Essex.

1883. Williams, Sir Edward Leader, Engineer, Manchester Ship Canal Co., 41 Spring Gardens, Manchester [*Leader, Manchester.* 688.]; and The Oaks, Altrincham.

1895. Williams, Henry Watson, Essex Street, Fremantle, Western Australia.

1884. Williams, John Begby, Central Marine Engine Works, West Hartlepool.

1901. Williams, John Norman Spence, Hawaiian Commercial and Sugar Co., Kahului, Maui, T. H., Hawaiian Islands.

1885. Williams, Nicholas Thomas, Kelynack, St. Just, R.S.O., Cornwall.

1847. Williams, Richard (*Life Member*), Brunswick House, Wednesbury.

1890. Williams, Thomas David, 16 Lancaster Road, South Norwood, London, S.E.

1881. Williams, William Freke Maxwell, 20 Great St. Helen's, London, E.C. ; and South Hill Bank, Gravesend.

1899. Williams, William Henry, Divisional Locomotive Superintendent, Great Western Railway, Swindon.

1889. Williams, William Walton, Gibraltar.

1897. Williams, Wyndham Henry, Messrs. Arthur Butler and Co., Mozufferpore, Tirhoot, India.

1896. Williamson, Joseph, Arden Ville, Balgray Hill, Springburn, Glasgow.

1883. Williamson, Richard, Messrs. Richard Williamson and Son, Iron Shipbuilding Yard, Workington; and South Lodge, Cockermouth.

1889. Willis, Edward Turnley, Hockley Hall and Whateley Colliery, Tamworth; and Eversley, Albert Road, Tamworth.

1897. Wills, Frank, Messrs. W. and F. Wills, Perseverance Works, Bridgwater.

1878. Wilson, Sir Alexander, Bart., Messrs. Charles Cammell and Co., Cyclops Steel and Iron Works, Sheffield.

1882. Wilson, Alexander Basil, Maryville House, Malone, Belfast. [201.]

1900. Wilson, Henry, Works Manager, Messrs. Walkers, Union Foundry, Maryborough, Queensland.

1884. Wilson, James, Pacha, 19 Lymington Road, West Hampstead, London, N.W.

1881. Wilson, John, Engineer, Great Eastern Railway, Liverpool Street Station, London, E.C. [*Wilson, Eastern, London.*]

1890. Wilson, Joseph William, Principal of School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1890. Wilson, Robert James, care of Messrs. Thomas Wilson and Co., 10 and 12 Eastcheap, London, E.C.

1873. Wilson, Thomas Sipling, Messrs. Holroyd Horsfield and Wilson, Larchfield Foundry, Hunslet Road, Leeds.

1888. Wilson, Walter Henry, Messrs. Harland and Wolff, Belfast; and Belvoir Park, Belfast.

1897. Wilson, William Campbell, Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford.

1899. Wilson, William Hope, 261 Albert Road, Pollokshields, Glasgow.

1901. Wilton, Bartel, Messrs. Wilton's Yard, Westseedyk 402, Rotterdam, Holland.

1891. Wimshurst, James Edgar, Superintendent Engineer, Royal Mail Steam Packet Co., Southampton.

1890. Winder, Charles Aston, Messrs. Winder Brothers, Royds Works, Attercliffe, Sheffield.

1886. Windsor, Edwin Wells, 1 Rue du Hameau des Brouettes, Rouen, France.

1900. Wingfield, Charles Humphrey, Tower Lodge, 15 Bilton Road, Rugby.

1890. Wingfield, Digby Charles, Harland Rise, Polworth Road, Streatham, London, S.W.

1887. Winmill, George, Locomotive Superintendent, North Western Railway, Lahore, India: (or Harewood, Junction Road, Romford.)

1898. Winn, Charles Reginald, Messrs. Charles Winn and Co., St. Thomas Works, Granville Street, Birmingham. [Winn, Birmingham. 366.]

1896. Winston, Harold Holmes, Messrs. Waterlow and Sons, Finsbury, London, E.C.

1872. Wise, William Lloyd, 46 Lincoln's Inn Fields, London, W.C. [Lloyd Wise, London. P.O. Central 4775.]

1896. Wiseman, Alfred, 80-89 Glover Street, Birmingham. [Verus, Birmingham. 2299.]

1884. Withy, Henry, Messrs. Furness Withy and Co., Middleton Ship Yard, West Hartlepool. [Withy, West Hartlepool. 4246.]

1878. Wolfe, John Edward, 35 Greencroft Gardens, Hampstead, London, N.W.

1888. Wolff, Gustav William, M.P., Messrs. Harland and Wolff, Belfast.

1902. Wollaston, Henry Uppleby, Consolidated Engineering Co., Gotha Iron Works, Slough. [Gotha, Slough. 7.]

1900. Wollaston, Thomas Roland, 29 Corporation Street, Manchester. [Parabola, Manchester.]

1881. Wood, Edward Malcolm, 3 Victoria Street, Westminster, S.W.

1887. Wood, Henry, Messrs. John and Edward Wood, Victoria Foundry, Bolton.

1902. Wood, Hervey Alan, District Locomotive Superintendent, East Indian Railway, Jamalpore, Bengal, India.

1880. Wood, John Mackworth, New River Office, Rosebery Avenue, London, E.C.

1868. Wood, Sir Lindsay, Bart., Southhill, near Chester-le-Street.

1884. Wood, Sidney Prescott, Messrs. McKenzie and Holland, Vulcan Iron Works, Worcester; and Hallow Bank, Henwick, Worcester.

1898. Wood, Sydney Henry, Gas Light and Coke Works, Beckton, London, E.

1890. Wood, Thomas Royle, Talleres Felipe Schwarz, 1959 Calle Patricios, Buenos Aires, Argentine Republic: (or care of William Wood, 28 Hyde Grove, Chorlton-on-Medlock, Manchester.)

1896. Wood, Walter Chapman, International Mill, Shanghai, China.

1890. Wood, William, 31 Studley Road, Clapham Road, London, S.W.

1882. Woodall, Corbet, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1897. Woods, Arthur Robert Thomas, Messrs. James Nelson and Sons, 41 North John Street, Liverpool.

1894. Woods, William Henry, Messrs. Hamilton Woods and Co., Liver Foundry and Engine Works, Ordsal Lane, Salford, Manchester. [*Sluice, Manchester. 1962.*]

1899. Woof, Thomas, Messrs. Alfred Herbert, 24 and 26 Holborn, London, E.C.

1898. Woollen, Thomas Henry, Managing Director, The New Jointless Rim Co., Arrol Works, Long Acre, Aston, Birmingham. [*Jointless, Birmingham. 2625.*]

1899. Wootton, John, Messrs. Wootton Brothers, Coalville Iron Works, Coalville, Leicester.

1895. Wordingham, Charles Henry, Electrical Engineer-in-Chief, Admiralty, Whitehall, London, S.W.

1887. Worger, Douglas Fitzgerald, Assistant Engineer, Southwark and Vauxhall Water Works, Southwark Bridge Road, London, S.E.

1874. Worsdell, Thomas William, Stonycroft, Arnside, near Carnforth.

1894. Worsdell, Wilson, Locomotive Superintendent, North Eastern Railway, Gateshead.

1877. Worssam, Henry John, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N. [*Massrow, London. King's Cross 677.*]

1886. Worthington, Charles Campbell, Shawnee-on-Delaware, Pa., United States.

1888. Worthington, Edgar, (Secretary), The Institution of Mechanical Engineers, Storey's Gate, St. James's Park, Westminster, S.W.

1860. Worthington, Samuel Barton, Consulting Engineer, 33 Princess Street, Manchester; and Mill Bank, Bowdon, near Altrincham.

1897. Worthington, William Barton, Chief Engineer, Lancashire and Yorkshire Railway, Manchester.

1899. Wotherspoon, James Douglas, 13-15 Cleethorpe Road, Grimsby; and 39 Hainton Street, Grimsby. [*Alacrity, Grimsby.*]

1900. Wright, Benjamin Hollingworth, Messrs. Bewick, Moreing and Co., 20 Copthall Avenue, London, E.C.

1897. Wright, Frederick George, Great Western Railway Works, Swindon.

1876. Wright, James, 181 Queen Victoria Street, London, E.C. [*Apparatus, London.*]

1867. Wright, John Roper, Messrs. Wright Butler and Co., Elba Steel Works, Gower Road, near Swansea.

1859. Wright, Joseph, Metropolitan Railway-Carriage and Wagon Co., Saltley Works, Birmingham; and The Gresham Club, London, E.C.

1903. Wright, Thomas, Works Manager, The Premier Gas Engine Co., Sandiacre, near Nottingham.

1901. Wright, Walter, 8 Grosvenor Buildings, Steelhouse Lane, Birmingham.

1871. Wrightson, Sir Thomas, Bart., M.P., Messrs. Head Wrightson and Co., Teesdale Iron Works, Stockton-on-Tees.

1901. Wrightson, William Percival, 15A Highbury Crescent, London, N.

1902. Wyles, David Dewar, 70 Drury Buildings, 21 Water Street, Liverpool. [*Emergency, Liverpool.* 8264 Central.]

1902. Wyllie, James, Chief Mechanical Engineer, Messrs. Henry Tate and Sons, Love Lane, Liverpool.

1877. Wyvill, Frederic Christopher, 19 East Parade, Leeds.

1889. Yarrow, Alfred Fernandez, Isle of Dogs, Poplar, London, E.

1895. Yarwood, William James, Castle Dock Yard, Northwich. [74.]

1899. Yates, Joseph, Managing Director, Messrs. Matthews and Yates, Cyclone Works, Swinton, near Manchester. [*Cyclone, Swinton, Manchester.* 1871.]

1899. Yates, Walter, Managing Director, Messrs. Matthews and Yates, Cyclone Works, Swinton, near Manchester. [*Cyclone, Swinton, Manchester.* 1871.]

1880. York, Francis Colin, Locomotive Superintendent, Buenos Aires and Pacific Railway, Junin, Buenos Aires, Argentine Republic: (or care of W. Hannay, 18 Portland Street, Leamington.)

1903. Young Frederick William, Liverpool Salvage Association, Liverpool.

1874. Young, James, 4 Granville Road, Newcastle-on-Tyne. [*Aid, Newcastle-on-Tyne.*]

1879. Young, James, Salroyd, Thornlaw Road, West Norwood, London, S.E.

1892. Young, Robert, Penang, Straits Settlements.

1894. Young, Smelter Joseph, The Tempered Spring Co., Limited, Rockingham Street, Sheffield. [*Tempered, Sheffield.* 354.]

1899. Young, Thomas, 203 West George Street, Glasgow.

1887. Young, William Andrew, Messrs. Lobnitz and Co., Renfrew, near Paisley [*Lobnitz, Renfrew.* 57, Paisley.]; and Millburn House, Renfrew, near Paisley.

1881. Younger, Robert, Messrs. R. and W. Hawthorn Leslie and Co., St. Peter's Works, Newcastle-on-Tyne.

ASSOCIATE MEMBERS.

1902. Abbott, Robert Hill, Superintendent Engineer, Ocean Accident and Guarantee Corporation, 9 Albert Square, Manchester.

1902. Abel, Walter Robert, 18 Grange View, Chapeltown Road, Leeds.

1896. Abella, Juan, Buenos Aires and Belgrano Electric Tramways Co., 691 Calle Bolivar, Buenos Aires, Argentine Republic.

1898. Acfield, Wilfred Cosens, London Brighton and South Coast Railway, London Bridge, London, S.E.

1900. Adams, Albert Edward, Borough and Water Works Engineer, Chippenham.

1903. Adams, Dawson, National Electric Supply Co., Bushell Street, Preston.

1903. Adams, Jordan D., 8 Drakefell Road, St. Catherine's Park, London, S.E.

1892. Adams, Sidney Rickman, P.O. Box 4181, Johannesburg, Transvaal, South Africa: (or care of Henry Adams, 3 Colville Square, Bayswater, London, W.)

1898. Adiassewich, Alexander Victorovitch, 6 Camden Gardens, Shepherd's Bush, London, W.

1902. Åkerlind, Gustaf Fredric, Locomotive Superintendent, Clogher Valley Railway Co., Aughnacloy, R.S.O., Co. Tyrone.

1900. Albrecht, John August, P.O. Box 1361, Cape Town, Cape Colony.

1900. Alcock, Alfred Edwin, Drawing Office, Messrs. Charles Cammell and Co., Cyclops Works, Sheffield; and 610 Barnsley Road, Sheffield.

1899. Alder, George Frederick, Managing Director, Excelsior Engineering Co., Stafford Works, Stroud, Gloucestershire. [*Excelsior, Bowbridge.*]

1900. Alderson, Charles Albert Heselton, Messrs. Allen, Alderson and Co., Gracechurch Street, Alexandria, Egypt; and Norland House, Ramleh, near Alexandria, Egypt.

1890. Alderson, George Alexander, Messrs. Allen, Alderson and Co., Alexandria, Egypt; and The Cloisters, Bulkeley, Alexandria, Egypt.

1899. Alexander, Joseph George, Monck Street Depôt, Westminster, S.W.

1903. Alexander, William, James Watt Engineering Laboratories, The University, Glasgow.

1904. Allan, Alexander Buchanan, Messrs. Reavell and Co., Ranelagh Works, Ipswich.

1901 Allan, George, Jun., 19 Hawthorn Terrace, Walbottle, Newburn, R.S.O., Northumberland.

1903. Allbutt, Jonathan Enoch Hill, Sheepbridge Coal and Iron Co., Chesterfield.

1902. Allen, Harold Gwynne, Messrs. W. H. Allen, Son and Co., Queen's Engineering Works, Bedford.

1903. Allkin, Henry Weston, General Manager, S.A. Sports Emporium, Wynberg, Cape Colony.

1894. Almond, Michael, Queenstown, South Africa : (or care of Robert Almond, 7 Grange Crescent, Southwick, Sunderland.)

1902. Ambler, Ratcliff Vincent, Messrs. Gibbs and Co., Iquique, Chile.

1899. Ambrose, Sewell Powis, Swaffham Prior, Cambridge.

1902. Amos, Harold Clyde, 20 Bucklersbury, Queen Victoria Street, London, E.C.; and Glaslyn, 12 Sidney Road, Beckenham.

1900. Anderson, Athol Lancelot, H.M. Dockyard, Malta.

1903. Anderson, Edward, Chief Engineer, Parish of Fulham, 75 Fulham Palace Road, Hammersmith, London, W.

1900. Andrew, Samuel Ernest, Electric Lighting Works, Cathall Road, Leytonstone, London, E.

1898. Andrews, Frederic Ernest, Brush Electrical Engineering Co., Falcon Works, Loughborough.

1902. Anslow, David, Manager, Messrs. J. B. Brookes and Co., Criterion Stamping Works, Willenhall, Wolverhampton. [*Crito, Willenhall 49 Darlaston.*]

1897. Appleby, Harry Walton, Robinson Randfontein Gold Mining Co., Randfontein, Transvaal, South Africa.

1902. Armistead, Thomas Webster, Messrs. D. Rollo and Sons, Fulton Engine Works, Liverpool.

1903. Armytage, John Hawksworth, Board of Trade, 1 Whitehall, London, S.W.

1899. Arnold, Arnold Attwood, Messrs. Davey, Paxman and Co., Standard Iron Works, Colchester.

1898. Arnold, Frank William, 53 Southfield Road, Middlesbrough.

1901. Arnold, Frederick Nathaniel, 29 Archibald Road, Tuffnell Park, London, N.

1901. Arundel, Arthur Samuel Drew, Messrs. Arundel and Marshall, Penn Street Works, Hoxton, London, N.

1902. Aspin, John, Messrs. J. and P. Coats, 50 Bothwell Street, Glasgow.

1900. Asquith, William George, Valley Works, Shipley, Yorks.

1901. Aston, Edward Backland Stuckey, Messrs. John Batt and Co., 39 Old Broad Street, London, E.C.; and 19 Dalmeny Avenue, Camden Road, London, N.

1901. Atherton, Ernest Staunton, 27 Clarendon Place, Leeds. [*Robey, Leeds*]

1901. Atherton, William Henry, 2 Holly Lea, Lime Avenue, Urmston, Manchester.

1902. Atkins, Evan Arthur, Municipal Technical School, Liverpool; and Ivy Villa, Breckside Park, Liverpool.

1896. Atkinson, Frederic, Albert Buildings, 49 Queen Victoria Street, London, E.C. [*Fixed, London.*]

1898. Atkinson, Henry, 47 Victoria Street, Westminster, S.W.

1901. Attock, Frederick William, Lancashire and Yorkshire Railway, Horwich, near Bolton.

1900. Aughtie, Herbert, South Western Polytechnic, Chelsea, London, S.W.

1903. Austin, Samuel, Jun., Messrs. James Spencer and Co., Chamber Iron Works, Hollinwood, Manchester.

1903. Aveling, Ralph Clifford, Messrs. Aveling and Porter, 72 Cannon Street, London, E.C. [*5104 Bank.*]

1901. Ayers, Frederic Gordon, care of Messrs. Ayers and Gall, Weymouth Street, Adelaide, South Australia.

1899. Baber, Samuel Ernest, Superintendent Engineer, Menantic and Mendota Steamship Co., 52 Queen Square, Bristol.

1899. Backhouse, John, Messrs. Thomas Robinson and Son, Railway Works, Rochdale.

1903. Bagg, Henry Arthur, Messrs. J. and E. Hall, Dartford Iron Works, Dartford.

1900. Bailey, Harry Dorning, Messrs. W. H. Bailey and Co., 16 Fenchurch Street, London, E.C. [*Soldurios, London.*]

1903. Baker, Henry, Green Bank, Penketh, Warrington.

1899. Baker, Henry Gouldthorpe, Messrs. John Baker and Co., Brinsworth Works, Rotherham. [*Brinsworth, Rotherham.* 89.]

1903. Baker, Herbert Henry, care of C. H. Merz, Collingwood Buildings, Newcastle-on-Tyne.

1900. Baldwin, Christopher Edmund, North Eastern Railway, Paragon Station, Hull.

1902. Baldwin-Wiseman, William Ralph, M.Sc., 4 Brundretts Road, Chorlton-cum-Hardy, Manchester.

1901. Bale, John Henry Fooks, Sunny Bank, Liversidge Road, Higher Tranmere, Birkenhead.

1902. Balfour, George, Messrs. J. G. White and Co., 22A College Hill, Cannon Street, London, E.C.

1902. Ball, Comer Sandys, Monte Rosa, London Road, St. Leonards-on-Sea.

1899. Ball, Edmund Bruce, Manager, Messrs. Clarksons, Chelmsford; and Savernake Lodge, Chelmsford.

1897. Ball, John, Geological Survey Office, Public Works Department, Cairo, Egypt.

1896. Barba, Alfonso G., Las Palmas, Canary Islands.

1900. Barber, Edward Whitley, care of W. H. Fowler, 53 New Bailey Street, Manchester; and 42 Whitby Road, Fallowfield, Manchester.

1903. Barker, Laurence Checkley, Messrs. Newtons, Taunton.

1894. Baron, Francis Edward, 62 Market Street, Manchester. [*Horseless, Manchester.* 4218.]

1903. Barrett, Charles Edgar Mathews, Malabar Spinning and Weaving Co., Kallai, Malabar, India.

1901. Barrow, Louis, Messrs. Cadbury Brothers, Bournville, near Birmingham.

1898. Bartle, George William, Albion Brewery, Mile End, London, E.

1901. Bartley, Bryan Cole, Jumpers Deep, Rand Mines, Johannesburg, Transvaal, South Africa: (or care of Sir George C. T. Bartley, K.C.B., M.P., 57 Victoria Street, Westminster, S.W.)

1896. Barton, Andrew, Admiralty, 21 Craven Street, Strand, London, W.C.

1902. Bartram, Harry Alfred, Messrs. James Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1900. Barty, Alexander Douglas, Moss Works, Prescot.

1903. Bates, Herbert, Works Manager, Messrs. Hulse and Co., Ordsal Works, Regent Bridge, Salford, Manchester; and 25 Eccles Old Road, Pendleton, Manchester.

1902. Baxandall, Richard Fitzgerald, Cregneish, Ben Rhydding, Yorkshire.

1901. Bear, Maurice Mayhew, Messrs. Babcock and Wilcox, Oriel House, Farringdon Street, London, E.C.

1903. Beare, Harold Hargreaves, Messrs. Buxton and Thornley, Waterloo Engineering Works, Burton-on-Trent.

1902. Beaver, John Robert, Post Box 1,198, Valparaiso, Chile.

1901. Beck, Alexander Edward, 115 and 117 Cannon Street, London, E.C.

1897. Beck, John, care of Messrs. S. M. Schibaieff and Co., Bacou, Russia; (or care of S. W. Kendall, Rosemont, Avenue Road, Weymouth.)

1899. Begbie, William, P.O. Box 3982, Johannesburg, Transvaal, South Africa.

1902. Beirne, Sidney Angelo, Compañia de San Salvador, Astillero, Provincia de Santander, Spain.

1900. Bell, Charles Sever, 123 Pall Mall, London, S.W.

1902. Bell, Frank, Signal Works, Engineers' Department, Midland Railway, Derby.

1901. Bell, James Alexander, City Electrical and Tramway Engineer, Corporation Electricity Works, Cotton Street, Aberdeen.

1898. Bell, William, Messrs. J. and E. Hall, Dartford.

1890. Bell, William Thomas, The Elms, St. Catherine's, Lincoln.

1902. Benington, Edmond Strangman, Government Engineering Department, Lagos, West Africa.

1901. Benn, William Wiltshire Wentworth, Chief Engineer, Australasian Chilling and Freezing Co., Aberdeen, New South Wales.

1903. Bennett, Frederick William, London Small Arms Co., Victoria Park Mills, Old Ford, London, E.

1903. Bennett, Henry Arthur Dillon, Babcock and Wilcox Co., Oriel House, Farringdon Street, London, E.C.

1901. Bennett, Marshall Handyside, General Electric Co., 71 Queen Victoria Street, London, E.C.; and The Chestnuts, Horley, Surrey.

1901. Bennett, Percy Mayson, Mexican Gas Co., Calla Santa Clara 7, Mexico City, Mexico.

1903. Bentley, Percy, Works Manager, Messrs. Jackson Brothers, Leeds.

1900. Bentley, Thomas Sims, Messrs. C. Churchill and Co., 9-15 Leonard Street, Finsbury, London, E.C.

1902. Berkeley, Tyrus Douglas, 47 Philip Road, Ipswich.

1902. Berrington, Ernest Evans Willoughby, Bank Buildings, Wolverhampton.

1902. Berry, Frederick, Technical School, Bridgman Street, Bolton.

1903. Berry, Herbert, Messrs. Egerton, Hubbard and Co., Petroffsky Mills, St. Petersburg, Russia.

1898. Berry, Thomas, 53 Cowgate, Dundee. [*Steampump, Dundee.*]

1902. Berry, William, De Beers Consolidated Mines, P.O. Box 44, Kimberley, South Africa.

1902. Bevan, Ivor, Waterloo Villa, South Park Road, Wimbledon.

1898. Bigger, Courtenay, Falmore Hall, Dundalk, Ireland.

1902. Bigg-Wither, Lionel, Assistant Locomotive Superintendent, Great Indian Peninsula Railway: care of Messrs. Grindlay Groom and Co., Bombay, India.

1901. Bindemann, Harry Otto Ferdinand, Allgemeine Elektricitäts Gesellschaft, Department K, 22 Schiffbauerdamm, Berlin, N.W.

1901. Bing, Herbert, Consolidated Pneumatic Tool Co., Palace Chambers, 9 Bridge Street, Westminster, S.W.; and 11 Portland Road, Gravesend.

1902. Binns, Asa, H.M. Dockyard, Chatham.

1903. Binns, Walter, Corporation Tramways, Mill Lane, Reading.

1903. Bird, Frank Noel, Messrs. Millars' Forests Co., Wellington Mills, Dardanup, Western Australia.

1900. Bishop, Charles Herbert, The Gables, Egremont, Liverpool.

1903. Bithel-Jones, Harry, Marine School, South Shields.

1902. Blagden, Arthur Herbert, Municipal Electric Light Works, Shanghai, China.

1902. Blagden, Henry Robert Cecil, Chief Engineer, Alexandria Water Co., Alexandria, Egypt.

1902. Bliss, Basil, care of Messrs. Pott and Co., 72 Oxford Street, London, W.

1899. Blissett, Percival Thomas, Messrs. A. Guinness Son and Co., St. James' Gate Brewery, Dublin.

1896. Blumfield, Thomas William, Clifton Works, Clifton Road, Balsall Heath, Birmingham.

1902. Blyth, Ernest Blackstone, Messrs. Charles Nelson and Co., Stockton, Rugby.

1903. Boden, Arthur Lionel, 34 Maitland Park Villas, London, N.W.

1901. Bond, John Thomas, National Boiler and General Insurance Co., 22 St. Ann's Square, Manchester.

1901. Bonniwell, Percival Ormond, Chief Engineer, Law Accident Insurance Society, 215 Strand, London, W.C.

1901. Boot, James Noel, Worthington Pumping Engine Co., 153 Queen Victoria Street, London, E.C.

1896. Bosley, Walter Joseph, Branksome, Hill Lane, Southampton.

1902. Bott, Walter Stanley, Messrs. Allen Ransome and Co., Stanley Works, Newark.

1895. Boulden, Frederick, Technical Department, University College, St. George's Square, Sheffield.

1903. Boulton, John Howard, North British Locomotive Co., 17 Victoria Street, Westminster, S.W.

1898. Bouts, Thomas, Messrs. Ernest Scott and Co., 2 Talbot Court, Gracechurch Street, London, E.C.; and 16 Althorp Road, Tooting, London, S.W.

1902. Bow, John, Ferro Carril del Sud, Dept. de Via y Obras, Buenos Aires, Argentine Republic.

1903. Bowden, John, Works Manager, London United Tramways (1901), 88 High Road, Chiswick, London, W.

1902. Bowers, William Richard, Birmingham Metal and Munitions Co., Adderley Park Mills, Birmingham.

1903. Bown, Charles Henry, Messrs. Merryweather and Sons, Greenwich, London, S.E.

1903. Box, Wilfrid Leonard, Messrs. Dick, Kerr and Co., Abchurch Yard, London, E.C.

1902. Boyd, Guy Westwood, Messrs. Humphreys and Glasgow, 38 Victoria Street, Westminster, S.W.

1903. Boyd, Hugh, Superintendent Engineer, United Alkali Co., Fleetwood, R.S.O., Lancashire.

1900. Boyd, William, Resident Engineer, Northwich Electric Supply Co., 25 Castle Street, Northwich.

1896. Bremner-Davis, William Joseph, 36 Kylemore Road, West Hampstead, London, N.W.

1901. Bressey, Cyril Edward, Locomotive Department, Great Central Railway, Gorton, Manchester.

1898. Brett, Alfred William, Albion Drop Forgings Co., Foleshill, Coventry. [*Albion, Great Heath.*]

1902. Brewer, Edward Godfrey, 3 Crosby Square, Bishopsgate Street, London, E.C.

1902. Brewer, Robert Wellesley Antony, Superintending Engineer, Queen Anne's Mansions, St. James's Park, London, S.W.

1902. Bridge, Arthur George, Messrs. Tomlinson (Rochdale), Soho Works, Rochdale.

1901. Briggs, Ernest Reynolds, Messrs. Willans and Robinson, Victoria Works, Rugby; and 119 Bath Street, Rugby.

1902. Briggs, Robert Alexander, 9 Warwick Court, High Holborn, London, W.C.

1898. Brindley, Harry Samuel Bickerton, 3 Awoicho Akasaka, Tokyo, Japan.

1900. Britten, Thomas, Electric Construction Co., Wolverhampton.

1903. Britton, Sydney Ernest, Burgh Electrical Engineer, Electricity Works, Motherwell.

1900. Brooks, Harry Gordon, Locomotive Works, Midland Railway, Kentish Town, London, N.W.

1903. Brooks, John Frederick, Municipal Technical School, Leicester.

1901. Brotherhood, Stanley, 15 Belvedere Road, Lambeth, London, S.E. [*Brotherhood, London.*]

1904. Broughton, Freeman, Manchester Corporation Tramways, 55 Piccadilly, Manchester.

1903. Brown, Charles Anderton, 35 Lonsdale Street, Belfast.

1901. Brown, John Pollock, Messrs. Denny and Co., Dumbarton; and 2 Parkgrove Terrace, Glasgow.

1901. Brown, Tom Edward Bennett, Managing Director, Messrs. Ross, Courtney and Co., 25 Ashbrook Road, Upper Holloway, London, N.

1902. Browne, William Ruddle, Chiseldon, Swindon.

1903. Brownjohn, William Henry, Associated Portland Cement Manufacturers (1900), Park House, Gravesend.

1902. Bryant, Edward Egerton, Works Manager, Messrs. Richardson and Cruddas, Byculla Iron Works, Bombay, India.

1901. Buchanan, William Ernest, Superintendent, Simla Water Works, Simla, Punjab, India.

1902. Buckton, William Woodyer, Weycombe, Haslemere, Surrey.

1901. Budding, Brice Henry, Jun., 146A Portway, West Ham, London, E.

1898. Bulfin, Ignatius, Municipal Offices, Bournemouth.

1900. Bull, Rowland Francis, care of Dr. Alexander B. W. Kennedy, 17 Victoria Street, Westminster, S.W.

1900. Bull, Thomas Palmer, The Cottage, Cosgrove, Stony Stratford.

1903. Bullen, William Henry Chambers, Resident Engineer's Office, Dolwen Reservoir Works, Llannefyll, Denbighshire.

1902. Bullmore, Alfred William Ernest, 28 Victoria Street, Westminster, S.W.

1901. Bullock, Richard Cecil, Engineer's Office, West India Docks, London, E.

1902. Bunn, Charles William, Herbert Street Works, West Bromwich. [*Landau, Westbromwich.* 5007.]

1893. Burden, Alfred George, Messrs. Harvey and Co., P. O. Box 953, Johannesburg, Transvaal, South Africa: (or care of George N. Burden, Oakfield, Teignmouth.)

1902. Burford, Henry George, Manager, Messrs. George F. Milnes and Co., Motoria, Balderton Street, Oxford Street, London, W.; and 12 Pennard Road, Shepherd's Bush, London, W.

1895. Burn, George Francois, The Technical School, Cookridge Street, Leeds.

1903. Burnand, Augustus Henry, Hartley University College, Southampton; and 56 West Street, Poole.

1890. Burne, Edward Lancaster, Messrs. Dickinson and Burne, Church Acre Iron Works, Guildford. [*Ploughshare, Guildford.* 40.]

1897. Burnside, Bertram W., B. G. J. P. Railway, Bhavnagar Para, Kathiawar, Bombay, India.

1899. Burt, Thomas Ross, Moorgate Station Chambers, London, E.C. [*Burglied, London.*]

1902. Busfeild, William, 26 Alexander Crescent, Ilkley.

1891. Butcher, Walter Edward, British Thomson-Houston Co., Rugby.

1904. Butler, George Henry, Docks Engineer's Office, Cumberland Basin, Bristol.

1891. Buttenshaw, George Eskholme, British Westinghouse Electric and Manufacturing Co., Trafford Park, Manchester.

1902. Button, John William, Battersea Polytechnic Institute, Battersea, London, S.W.

1900. Calderwood, William, Works Manager, Messrs. Palmer and Co., Stratford, London, E.; and 83 Hampton Road, Forest Gate, London, E.

1901. Campbell, Ernest Waterhouse, Messrs. Campbells and Hunter, Dolphin Foundry, Saynor Road, Hunslet, Leeds.

1899. Cannell, William, Grenville Building, Corporation and Cherry Streets, Birmingham.

1903. Cardew, Sydney Robert, Messrs. Preece and Cardew, 8 Queen Anne's Gate, Westminster, S.W.

1901. Carnegie, Francis, Chief Mechanical Engineer's Department, Royal Arsenal, Woolwich.

1901. Carnegie, William, Woolwich Polytechnic, William Street, Woolwich.

1896. Carolin, Edward Marlay, Assistant Locomotive Superintendent, Central South African Railways, Pretoria, Transvaal, South Africa

1900. Carr, Harry Oswald, Wandsworth and Putney Gas Light and Coke Co.,
North Street, Wandsworth, London, S.W.

1898. Carr, James John William, Woodland Works, Grove Lane, Smethwick,
Birmingham. [*Bells, Smethwick.* 2018.]

1900. Carrod, Henry, 43 Sidney Road, Beckenham.

1900. Carstairs, Gilbert Langlois, 12 Kingswood Road, Seven Kings, Ilford.

1901. Carter, Frank, 424 Bury Road, Rochdale

1900. Carter, Samuel Arthur, Federated Malay States Railways, Seremban,
Straits Settlements : (or care of Mrs. McMillan, 33 Barrington Road,
Brixton, London, S.W.).

1901. Cartmell, John Monkhouse, 64 Buchanan Street, Glasgow.

1902. Carwin, John William, 69 Brackenbury Road, Preston.

1900. Casebourne, Ambrose Cubitt, 12 Cheltenham Terrace, Heaton-on-Tyne.

1900. Cash, Ernest William, British Thomson-Houston Co., Rugby.

1899. Cater, John McIlvaine, Southdown, The Downs, Wimbledon.

1900. Catmur, Thomas Stucley, Inglenook, Romiley, Stockport.

1900. Cave, Henry, Electric Vehicle Co., Hartford, Conn., United States ; and
Ousebridge, Carlton, near Nottingham.

1903. Cave, William Henry, 24 Grosvenor Street, Bolton.

1897. Cerrito, Frank Henry, Messrs. Frank H. Cerrito and Co., Freeman Street,
Birmingham. [*Cerrito, Birmingham.* 2837.]

1895. Challenger, Godfrey Richard, Messrs. John Jameson and Son, Bow Street
Distillery, Dublin.

1902. Chalmers, Alexander David, Engineer, Electricity Supply Works,
Gillingham Road, New Brompton, R.S.O., Kent.

1902. Chalmers, James, Engineer, Companhia do Beberibe, Pernambuco,
Brazil.

1902. Channon, Philip Percival, Engineer, Haywards Heath District Gas Co.,
Mill Green Road, Haywards Heath.

1899. Chapman, Samuel, 381 Manchester Road, Droylsden, Manchester.

1903. Charnock, Clement Joseph (*Life Associate Member*), Messrs. Gorbunoff's
Cotton Spinning and Weaving Mills, Sereda, Government of Kostroma,
Russia.

1902. Chatterton, Richard, Okanagan Landing, British Columbia.

1899. Cheffins, Harold William Joshua, Messrs. J. B. White and Brothers,
Swanscombe, Kent.

1903. Child, John, Messrs. Couper, Schwarz and Co., 4 Old Hall Street,
Liverpool.

1903. Chivers, Frank Evans, Beberibe Water Works, Pernambuco, Brazil.

1900. Chorley, Richard, Technical School, Stockport.

1903. Christiansen, Adolph Gothard, Jun., Garlick's Foundry and Engineering
Works, Jacob's Circle, Bombay, India.

1903. Christiansen, Albert George, Garlick's Foundry and Engineering Works, Jacob's Circle, Bombay, India.

1896. Clare, Ernest, Straker Steam Vehicle Co., 9 Bush Lane, Cannon Street, London, E.C.

1903. Clark, Hubert Charles, Lanchester Engine Co., Armourer Mills, Montgomery Street, Sparkbrook, Birmingham.

1894. Clark, James Lester, 255 Cromwell Road, London, S.W.

1899. Clarke, Arthur Laver, Gas Engineer, Gas Works, Maldon, Essex.

1900. Clarke, Leigh Theophilus, Electrical Department, Great Central Railway Woodford, Northants.

1895. Clatworthy, Walter Angove, 40 Sanderson Road, Newcastle-on-Tyne.

1903. Claughton, George, Station Superintendent, Corporation Power Station, Newcastle-on-Tyne.

1902. Clayton, Melville Graham, Inspector of Machinery, Fluvial Navy of Peru, Iquitos, Peru.

1898. Cleave, Arthur Harold Wyld, Royal Mint, London, E.

1901. Cleaver, William, Locomotive Engineer's Office, Port Talbot Railway and Docks, Port Talbot.

1897. Clegg, John Henry, Lower Lumb Mill, Heptonstall, Manchester.

1903. Clemence, Walter, Messrs. Easton, Courtney, and Darbshire, 25 Victoria Street, Westminster, S.W.

1892. Cleverly, William Bartholomew, Stourbridge Water Works, Coalbourne Brook, Stourbridge.

1901. Clifton, William George, Messrs. Defries and Sons, 147 Houndsditch, London, E.C.

1901. Close, Henry Alwyn, Bleak House, Silver Royd, Upper Wortley, Leeds.

1900. Cluff, Richard, Engineer's Department, St. James' Gate Brewery, Dublin.

1898. Cobbold, Arthur Westhorp, 70 Alkham Road, Stoke Newington, London, N.

1902. Codd, Thomas James, Metropolitan Asylums Board, Victoria Embankment, London, E.C.

1901. Colbourne, Thomas Salmon, Managing Director, Messrs. John D. Young and Son, Lion Iron Works, Barnstaple.

1901. Cole, Alfred Thomas, 16 Parliament Hill, Hampstead, London, N.W.

1902. Collyer, Percy Nicholson, Messrs. Albright and Wilson, Oldbury, Birmingham.

1903. Coltman, Walter William, Central Boiler Works, Loughborough. [*Boilers, Loughborough.* 51.]

1896. Comerford, Edward, Abbot's Grange, Liverpool Road, Chester.

1897. Connell, William Percival, Bella Vista 28, Minas de Rio Tinto, Huelva, Spain: (or care of W. G. Connell, 83 Cheapside, London, E.C.)

1896. Conradi, Julius Samuel, Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W.

1903. Cooke, Frederick William, Messrs. Willans and Robinson, Victoria Works, Rugby.

1903. Coombes, Thomas, Manager, Messrs. Harding, Market Street, Torquay.

1900. Coombs, James Alger, Messrs. Daniel Adamson and Co., Dukinfield.

1903. Cooper, Arthur Thomas, Reading Electric Supply Co., Vastern Road, Reading.

1896. Cooper, Thomas, Metropolitan Asylums Board, Victoria Embankment, London, E.C.; and Spring Valley, Beaconsfield Road, St. Albans.

1900. Cooper, William James, 83 and 84 Bromsgrove Street, Birmingham.

1901. Cooper, William James, Ocean Accident and Guarantee Corporation, 36-44 Moorgate Street, London, E.C.

1895. Corby, Matthew, Messrs. Thomas Firth and Sons, Norfolk Works, Sheffield; and 13 Montague Road, Edgbaston, Birmingham.

1899. Corrie, John Bradford, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1903. Coster, William Wallace, Cape Town Corporation Waterworks, 67B Long Street, Cape Town, Cape Colony.

1902. Cotsworth, Haldane Gwilt, Battersea Polytechnic, London, S.W.

1901. Cottrell, George, Messrs. Cottrell, Rose and Co., Eddington Iron Works, Hungerford. [*Cottrell, Hungerford.*]

1901. Couch, Richard Ernest, 23 Richmond Road, Brighton.

1902. Coueslant, Leopold Daniel, Engineering Department, South-Western Polytechnic, Chelsea, London, S.W.

1902. Coulson, Horace Ernest, Messrs. J. G. White and Co., 22A College Hill, Cannon Street, London, E.C.; and 238 Wandsworth Bridge Road, Fulham, London, S.W.

1904. Courts, William Charles, Chief Engineer, Smokeless Chimney Co., Albert Square, Manchester. [*Chimneys, Manchester.* 5392.]

1894. Coventry, Theodore, Messrs. Smith and Coventry, Gresley Iron Works, Ordsal Lane, Salford, Manchester. [*Gresley, Manchester.* 564.]

1902. Cowan, Percy John, E.R.A. Locomotive Department, Boulac, Cairo, Egypt.

1903. Cowcher, George, Dudbridge Iron Works, Dudbridge, Stroud, Gloucestershire.

1902. Cowen, George Hepple, 40 Marlborough Road, Sheffield.

1895. Cowie, William, 51 Endsleigh Gardens, Ilford.

1897. Craig, Alexander, Messrs. Humber and Co., Coventry.

1902. Craig, James, Federated Engineering Co., Kuala Lumpor, Federated Malay States.

1902. Cramb, Alexander Charles, Croydon Corporation Electricity Works, Factory Lane, Croydon.

1902. Crawford, Gerald Walker, 122 George Street, Edinburgh.

1900. Crawford, John Forcer, Washington Foundry, Fulton Street, Liverpool.
[*Ferro, Liverpool.* Bootle 63.]

1903. Crooker, Claude Edward, Manager, Kalgoorlie Electric Light and Power Corporation, Kalgoorlie, Western Australia.

1897. Crooke, Walter, Jun., Frodingham, near Doncaster.

1887. Crosland, Delevante William, 34 Wharf Road, City Road, London, N.

1901. Crow, Lewis, 45 Eastdown Park, Lewisham, London, S.E.

1903. Crowther, Harry, Resident Mechanical Engineer, Water Works, Pembury, Tunbridge Wells.

1902. Cruddas, William John, P.O. Box 1961, Johannesburg, Transvaal, South Africa.

1900. Cruickshank, George Seymour, Bracken House, Walton-on-Thames.

1901. Cummins, Reginald Ernest, 40 Northumberland Place, Bayswater, London, W.

1899. Cunliffe, Tom Arthur, 27 Howards Lane, Putney, London, S.W.

1901. Cunningham, Philips Daves Glendower, 16 Kelmscott Road, Wandsworth Common, London, S.W.

1903. Curtis, Ivor, R.N., Royal Naval College, Greenwich, London, S.E.

1895. Cust, Leopold, Gas Traction Co., 22 Chancery Lane, London, E.C.; and 99 Onslow Square, London, S.W.

1903. Cuthell, Eric Andrew, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1902. Dabell, Alexander Frank, care of Messrs. Gilchrist, Walker and Co., Constantinople.

1902. Dack, William Herbert, Messrs. C. Wade and Co., Durban, Natal.

1904. Dalton, William Thomas, Superintending Electrical Engineer, Corporation Tramways, Manors, Newcastle-on-Tyne.

1903. Darby, Arthur Ernest, Borough Engineer and Surveyor's Office, Town Hall, Wolverhampton.

1901. Dare, Arthur Newman, Messrs. Heiniks Erben and Co., Maschinenfabrik, Prerau, Austria.

1900. Darker, Alfred Henry, Messrs. J. Stone and Co., Deptford, London, S.E.

1894. Davey, Edward Ernest George, Polytechnic School of Engineering, 309 Regent Street, London, W.

1903. Davidson, James Samuel, General Manager, Sirocco Engineering Works, Bridge End, Belfast. [*Sirocco, Belfast.* 327.]

1901. Davidson, John, Messrs. Browett, Lindley and Co., Patricroft, near Manchester; and Devonshire Road, Bentcliffe, Pendleton, Manchester.

1903. Davie, James Paterson, Mirrlees, Watson Co., Scotland Street, Glasgow.

1901. Davies, Francis Edward, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.; and 51 Tregunter Road, South Kensington, London, S.W.

1902. Davis, Algernon Henry, General Manager, Wells and Baths, The Royal Baths, Harrogate.

1903. Davis, Charles Richard Stanley, Messrs. Belliss and Morcom, Ledsam Street, Birmingham.

1896. Davis, Francois Myddleton, Works Manager, Messrs. R. and T. Elworthy, Elizabethgrad, Russia.

1900. Davis, Harry Charles, care of Druitt Halpin, 17 Victoria Street, Westminster, S.W.

1903. Davson, Stephen Frederick, Engineer-in-Chief's Office, G.P.O., St. Martin's-le-Grand, London, E.C.

1897. Davy, David, 48 North British and Mercantile Buildings, Leeds. [*Conqueror, Leeds.*]

1902. Dawbarn, Reginald Proctor, care of Señor Don J. A. Villalonga, Administrador General F. C. Gran Oeste Argentino, Mendoza, Argentine Republic.

1901. Dawson, Henry Watson, Heather Lea, Timperley, Altrincham.

1902. Dawson, John Edward, Corporation Electricity Works, West Hartlepool.

1890. Day, Arthur Godfrey, Director of Studies, Science Art and Technical Schools, Guildhall, Bath.

1899. Day, Claud Albert Stainton, Messrs. Dick, Kerr and Co., 110 Cannon Street, London, E.C.; and Grosvenor House, Isleworth.

1902. Deacon, Robert Dugald, Amerie Court, Pershore.

1903. Deakin, George Welsby, 20 Devonshire Road, Claughton, Birkenhead.

1901. Dean, George, Warblington, Havant.

1901. Delacour, Harry Mark, care of C. E. Masterman, 28 Victoria Street, Westminster, S.W.

1903. Dennis, George Stanley, 26 Newton Road, Bayswater, London, W.

1899. De Ville, Martin, Ocean Accident and Guarantee Corporation, 36-44 Moorgate Street, London, E.C.

1903. Dewhirst, James, Surveyor and Waterworks Engineer, Chelmsford Rural District Council, Avenue Chambers, Chelmsford.

1903. Dews, James Walter, Municipal Technical College, Bradford.

1901. Dickinson, Henry Winram, Victoria and Albert Museum, South Kensington, London, S.W.

1898. Dickinson, William, Messrs. Dickinson and Burne, Church Acre Iron Works, Guildford. [*Ploughshare, Guildford.* 40.]

1901. Digby, William Pollard, Messrs. W. Hutchinson and Co., Trafalgar Buildings, Northumberland Avenue, London, W.C.

1902. Dixon, John, 219 St. Vincent Street, Glasgow.

1898. Dobbs, Herbert Treadwin, Locomotive Carriage and Wagon Department, Barry Railway, Barry, near Cardiff.

1899. Dodridge, Frederick, Chief Engineer's Office, Keyham Yard, Devonport: and 58 Amherst Street, Plymouth.

1902. Donaldson, James, Works Manager, Messrs. R. J. Hanbury and Co., Plough Bridge Works, Deptford, London, S.E.

1898. Donne, Frederick Edward Mowbray, Locomotive Department, Midland Railway, Derby.

1903. Dougill, Alfred, Messrs. Alfred Dougill and Co., 36 Great George Street, Leeds. [*Dougill, Leeds.* 586.]

1903. Douglas, Frank, General Manager, North American and African Cold Storage Co., Port Matolla, Delagoa Bay.

1899. Douglas, William Saunders, Consett Iron Works, Consett, R.S.O., County Durham.

1891. Douglass, Alfred Edwards, South Staffordshire Water Works, Paradise Street, Birmingham.

1902. Down, Percy Bissett, Messrs. Thomas Parker, Wolverhampton.

1896. Dowson, Erasmus Charles Head, 502 Merchants' Bank Building, Montreal, Canada.

1898. Dowson, Robert Manning, Civil Service Club, Cape Town, Cape Colony: (or Felixstowe, The Park, Nottingham.)

1900. Drake, Arthur James, General Manager, Stirling's Motor Carriages, Granton, Edinburgh.

1901. Draycott, George Edwin, Borough Road Polytechnic, London, S.E.

1900. Dresser, Charles, Messrs. Robertson and Outram, 28 Victoria Street, Westminster, S.W.

1900. Drewitt, William Henry, Messrs. J. and P. Coats, Ferguslie Thread Works, Paisley.

1895. Dronfield, James, Messrs. Dronfield Brothers, Atlas Works, Oldham.

1904. Drury, Henry William Collins, District Locomotive Superintendent, Great Eastern Railway, Doncaster.

1902. Dryden, William, Grimshaw Street Foundry, Preston.

1903. Duke, Reginald Francis, Messrs. Duke and Ockenden, Ferry Wharf Works, Littlehampton. [*Dando, Littlehampton.* 6.]

1895. Dumae, Robert, General Electric Co., Witton, Birmingham.

1901. Duncau, John, Municipal Technical Institute, Romford Road, West Ham, London, E.

1895. Duncan, William, Locomotive Department, Cape Government Railways, Naauwpoort, Cape Colony.

1903. Dunkerton, Ernest Charles, Box 13, Royal Exchange, Glasgow.

1902. Dunt, Robert Archibald, 6 Merton Road, Bootle, Liverpool.

1901. Dunton, Ernest William, 222 Trinity Road, Wandsworth Common, London, S.W.

1903. Dyson, John Daniel, Manager, Messrs. Fynn and Co., 14 Royal Arcade Bradford.

1903. Eades, John, Jun., Manchester Corporation Tramways, 55 Piccadilly, Manchester.

1901. Eastlake, Arthur William, 4 Bishopsgate Street Within, London, E.C.

1902. Eaton, George Henry, 18 Broxash Road, Clapham Common, London, S.W.

1903. Edge, Thomas, Controller's Department, Room 100, Old Building, Admiralty, Whitehall, London, S.W.

1900. Edleston, Alfred Edward, Locomotive Superintendent, North Mount Lyell and Macquarie Harbour Railway, Kelly Basin, Tasmania.

1893. Edmondson, Alfred Richard, M.Sc., The Oaks, Moss Lane, Timperley, Altrincham.

1902. Edwards, Arthur Octavius, Clarendon, Chalfont Road, South Norwood, London, S.E.

1898. Edwards, Edgar Llewellyn, Queen Chambers, 88 Colmore Row, Birmingham.

1899. Edwards, James George Benjamin, Engineering Department, Cockburn Schools, Leeds.

1900. Ellington, Guy, London Hydraulic Power Co., 9 Bridge Street, Westminster, S.W.; and Monkton Lodge, Kingston Hill, Kingston-on-Thames.

1903. Ellis, Bernard Pemberton, Wyehall, King's Norton, Birmingham.

1898. Ellis, Jesse, Invicta Works, St. Peter Street, Maidstone. [*Jesse Ellis, Maidstone. 2.*]

1900. Ellison, John, 29 Bridge House, 181 Queen Victoria Street, London, E.C.

1902. Embleton, Charles Arnold, care of George Cawley, 25 Victoria Street, Westminster, S.W.

1900. Enock, Arthur Guy, 407 Birkbeck Bank Chambers, Holborn, London, W.C. [*Icerimus, London.*]

1898. Enock, Donald, P.O. Box 471, Durban, Natal.

1899. Enock, Eric Cuthbert, Manager, Messrs. W. Ball and Co., Coombe Engine Works, Dartmouth.

1902. Epps, Laurence George John, Natal Government, 39 Victoria Street, Westminster, S.W.

1897. Epton, William Martin, Government Inspector of Machinery, Mines Department, Winchester House, Johannesburg, Transvaal, South Africa.

1902. Ermen, George, Wardry Works, 152-156 Chapel Street, Salford, Manchester.

1902. Espeut, Reginald William Armit, 77 Sinclair Road, West Kensington, London, W.

1902. Etchells, Ernest Fiander, Building Act Office, London County Council, Spring Gardens, London, S.W.

1903. Etlinger, George Ernest, Messrs. Turner, Hoare and Co., Bombay, India.

1900. Evans, Griffith Cooper, care of Consolidated Pneumatic Tool Co., Palace Chambers, 9 Bridge Street, Westminster, S.W.

1899. Everson, Frederick Charles, British Electric Traction Co., Donington House, Norfolk Street, Strand, London, W.C.

1901. Evetts, William, Jun., care of Chief Locomotive Superintendent, Central South African Railways, Pretoria, Transvaal, South Africa.

1902. Excell, Maurice Stanley, 1 Honiton Road, Kilburn, London, N.W.

1899. Fairley, Frank, 9 Queen Street Place, London, E.C.

1903. Farnsworth, Alfred William, The Strand Chambers, Derby.

1895. Fawcett, Percy William, Middlewood Hall, near Sheffield.

1903. Fellows, Thomas Edgar, Municipal Engineer and Surveyor, Town Hall Willenhall, Wolverhampton.

1903. Ferguson, Russell Forrester, Borough Electrical Engineer, Hastings Corporation, Earl Street, Hastings.

1903. Fernandez, Rafael, Belgrano 942, Buenos Aires, Argentine Republic.

1896. Fforde, William John, 2 Glenview Terrace, Springfield Road, Belfast.

1900. Fiegehen, Edward George, Bedford Engineering Co., Bedford.

1894. Finlayson, David, Fenton Street, Alloa.

1902. Finnie, William, Messrs. Howarth, Erskine and Co., Singapore, Straits Settlements.

1894. Fitz-Gerald, John Frederick Gerald, care of El Señor Ingeniero, Departamento de Vias y Obras F.C.S., Buenos Aires, Argentine Republic.

1900. FitzHerbert, Arthur Hugh Francis, Electrical Department, Midland Railway, St. Pancras, London, N.W.; and 4 Harefield Road, Crouch End, London, N.

1895. Fleischer, Paul, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1898. Fletcher, Harold Clarkson, Messrs. Johnson and Fletcher, P.O. Box 580, Bulawayo, Rhodesia, South Africa.

1892. Fletcher, Joseph Ernst, Messrs. Charles Cammell and Co., Cyclops Works, Sheffield.

1902. Fletcher, William Charles, Government Model Workshops, Boulac, Cairo, Egypt.

1899. Flint, Leonard Robert, Babcock and Wilcox Co., New York Life Building, Place d'Armes, Montreal, Canada.

1902. Forbes, James Taylor, 2 Berkeley Terrace, Glasgow.

1902. Forga, Alfred, Engineer and Manager, Cotton Spinning and Weaving Mill, Arequipa, Peru.

1902. Forgan, Charles, Power House Superintendent, Central London Railway, Shepherd's Bush, London, W.

1901. Forster, Andrew, Messrs. J. Samuel White and Co., Cowes, Isle of Wight.

1903. Forster, Richard, The Horsehay Co., Horsehay, R.S.O., Shropshire.

1902. Forward, Ernest Alfred, Machinery Division, Victoria and Albert Museum, South Kensington, London, S.W.

1895. Foster, Edward Hornby, Messrs. John Foster and Son, Black Dike Spinning Mills, Queensbury, near Bradford.

1902. Foster, Sydney, Lancashire and Yorkshire Railway, Fleetwood, R.S.O., Lancashire.

1898. Fowler, Percy Merwood, P.O. Box 1876, Johannesburg, Transvaal, South Africa.

1901. Fox, Edmund John, Grosvenor House, Clifton Road, Rugby.

1899. Fox, Frederick Joseph, Messrs. Bryan Corcoran, Back Church Lane, Whitechapel, London, E.; and Ely, Kingston Road, Romford.

1899. Fox, Henry Shoolbred, Manager, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N. [*Massrow, London.* King's Cross 677.]

1902. Francis, Adolphus Sydney, Engineer, Gas and Water Department, Town Hall, Clacton-on-Sea.

1896. Fraser, Frank Hazell, Messrs. W. J. Fraser and Co., 98 Commercial Road East, London, E. [*Fraser, Engineer, London.* Avenue 4413.]

1902. Fraser, William Stuart, Assistant Locomotive Superintendent, Bombay, Baroda and Central India Railway, Bombay, India.

1899. Freeman, Walter William, Chief Engineer, Florence Coal and Iron Co., Longton, Staffordshire.

1899. French, Arthur Houle, Chelmsford Electric Lighting Co., Arc Works, Chelmsford.

1902. French, Frederick Charles, London and South Western Railway Locomotive Works, Nine Elms, London, S.W.

1897. Frerichs, Jacob Andrew, care of Consolidated Goldfields of South Africa, P.O. Box 1167, Johannesburg, Transvaal, South Africa.

1900. Fripp, Steuart, Jun., Caixa 114, Pernambuco, Brazil.

1903. Frost, Henry Maurice, Messrs. Humphreys and Glasgow, 38 Victoria Street, Westminster, S.W.

1903. Fryer, Frederick George, Messrs. Rowntree and Co., Cocoa Works, York.

1903. Fryer, John Edwin George, Messrs. Humphreys and Glasgow, 38 Victoria Street, Westminster, S.W.

1901. Fryer, Tom Jefferson, Managing Director, Midland Manufacturing Co., 20 Change Alley, Sheffield.

1904. Furness, Reginald Lester, Messrs. Fraser and Chalmers, Salisbury, Rhodesia.

1900. Furnivall, William Henry Graham, P.O. Box 6008, Johannesburg, Transvaal, South Africa.

1902. Gahagan, Roland Hayes, Messrs. George Gahagan and Co., Byculla, Bombay, India.

1899. Gale, Robert Harry, 38 Scarsdale Villas, Kensington, London, W.

1896. Gallé, William Alexandre, Locomotive Department, Great Central Railway, Gorton, Manchester.

1900. Garland, Frederick Joseph, Birmingham Corporation Water Department, Broad Street, Birmingham.

1902. Garnett, Herbert, Irish Peat Development Co., Maghery, Moy, Ireland. [Garnett, Maghery.]

1901. Garratt, Ernest Albert, Messrs. Jacobs and Barringer, 78 Gracechurch Street, London, E.C.

1896. Garratt, James Herbert, Messrs. Boustead Brothers, Colombo, Ceylon.

1896. Garrett, Easton, Messrs. Bailey, Walker and Co., 456 Calle Cuyo, Buenos Aires, Argentine Republic.

1890. Garrett, Frank, Jun., Messrs. Richard Garrett and Sons, Leiston Works, Leiston, R.S.O., Suffolk.

1902. Garrett, John Dunnell, 27 Victoria Square, London, S.W.

1898. Garvey, Richard Godfrey Hamilton, Messrs. Bowes, Scott and Western, Bridge Road, Battersea, London, S.W.

1900. Gash, Lumley Clifton, Works Manager, Messrs. William Foster and Co., Lincoln.

1903. Gaskell, Holbrook, Jun., Chief Engineer's Office, United Alkali Co., Widnes.

1900. Gaston, Alfred Benjamin, care of Peking Syndicate, Tientsin, China.

1901. Gawthorne, William Arthur, Kohinoor Mills Co., Bombay, India.

1902. Geach, Lewis Cecil, Locomotive Department, Midland Railway, Kentish Town, London, N.W.

1903. Gee, Thomas John, Superintending Engineer, Messrs. Agar, Cross and Co., 124 Calle Defensa, Buenos Aires, Argentine Republic.

1903. Geen, Harry, Culver Lodge, Newton Abbot.

1902. Gentry, Buchan Stratton, The Nook, Grange Road, Chiswick, London, W.

1900. George, James MacNaughten, Gourepore Co., Gourepore, near Calcutta, India.

1902. George, John William, Lynn Cottage, Dighton Road, Wandsworth, London, S.W.

1899. Gibbins, John Ernest, Shoreham Saw Works, White Croft, Sheffield.

1900. Gibson, George Henry, care of D. Home Morton, 95 Bath Street, Glasgow; and 84 Buccleuch Street, Garnethill, Glasgow.

1900. Gilling, Arthur Hewitt, Messrs. Mitrovich Brothers, Iquique, Chile.

1900. Ginders, Ernest Marsh, 212 Alcester Road, Moseley, Birmingham.

1896. Given, Ernest Cranston, Messrs. Priestman and Co., Philadelphia, Pennsylvania, United States; and Aigburth Lodge, Aigburth Road, Liverpool.

1902. Gledhill, Arthur Henry, Messrs. G. H. Gledhill and Sons, Trinity Works, Halifax.

1901. Goddard, William Herbert, care of General Manager, Great Southern Railway, Buenos Aires, Argentine Republic.

1900. Godson, Edward Harold, Cheadle House, Cheadle, Cheshire.

1896. Goffe, Edward, Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg, Transvaal, South Africa.

1902. Goldarbeiter, Joseph Leonard, 21 Kronverkskaia Street, St. Petersburg, Russia.

1902. Goldie, Robert Murdoch, Messrs. Riley, Hargreaves and Co., Singapore, Straits Settlements.

1898. Golding, Henry Albert, 51 The Grove, Wandsworth, London, S.W.

1902. Golledge, William Thomas, Messrs. Aublet, Harry and Co., 53-55 Curtain Road, London, E.C.

1900. Goodman, Alfred Christian, General Manager, Patent Enamel Co., Selly Oak, Birmingham. [*Original, Selly Oak.*]

1903. Goolding, Edmund, Traction Department, British Thomson-Houston Co., Rugby.

1902. Gordon, Charles William, Works Superintendent, Electricity Works, Ealing, London, W.

1898. Gordon, James, 52 Lime Street, London, E.C. [*Gordolobo, London.*]; and 23 St. James' Mansions, West End Lane, West Hampstead, London, N.W.

1897. Gordon, John Wilton, Messrs. John Gordon and Co., Dashwood House, 9 New Broad Street, London, E.C.

1901. Gore, Herbert Reginald, Messrs. H. R. Gore and Co., 20 and 21 St. Dunstan's Hill, London, E.C.

1902. Gott, Joseph Barraclough, Sandycroft Foundry Co., near Chester.

1902. Goudie, William John, 92 Albert Drive, Crosshill, Glasgow.

1901. Goulding, Benjamin Joseph John, Chief Engineer, Machinery Trust, 189 Fleet Street, London, E.C.

1899. Goulstone, Ernest Edwin, Superintendent, Water and Sewage Works, Cawnpore, India.

1898. Graham, Hubert Berger, The Croft, Chantry Road, Moseley, Birmingham

1902. Graham, James Lindsay, Messrs. Mechan and Sons, Scotstoun Iron Works, Glasgow.

1900. Graham, Walter, Managing Director, Messrs. John Hastie and Co., Kilblain Engine Works, Nicholson Street, Greenock. [*Hastie, Greenock.* 133.]

1901. Grant, Daniel John, Messrs. Harland and Wolff, Queen's Island, Belfast.

1897. Grant, Hector, 53 Waterloo Street, Glasgow.

1896. Grant, William, Messrs. Workman, Clark and Co., Engine Works, Queen's Road, Belfast.

1902. Greaves, Horace John, Manager, Messrs. Graham, Morton and Co., Black Bull Street, Leeds.

1902. Green, Bernard Joseph, Chief Engineer, Drainage and Waterworks, Town Hall, Kidderminster.

1903. Green, Harry Hewlett Richard, Engineer's Department, St. James' Gate Brewery, Dublin.

1899. Green, John Singleton, Municipal Offices, Haslingden, near Manchester.

1900. Greene, Frank Arnold, Messrs. Henry Greene and Co., 22 Martin's Lane, London, E.C. [*Three Keys, London.* Bank 5827.]

1902. Griffiths, Harold, Messrs. Kynoch, Witton, Birmingham; and Thornbury, Woodbourne Road, Edgbaston, Birmingham.

1900. Grimley, William Richard Nash, Chief Engineer, Alliance Electrical Co., 137 Regent Street, London, W.

1893. Gritton, Joseph, Elmdon, Newton Lane, Hoole, Chester.

1903. Groom, Isaac Stephen West, District Locomotive Superintendent, Great Northern Railway, Grantham.

1902. Groundwater, Alick George, Stoneywood Wood Works, Bucksburn, Aberdeen.

1895. Groundwater, Samuel, Messrs. S. C. Farnham, Boyd and Co., Shanghai, China.

1897. Grove, Harry, Ivy Dene, Pinhoe Road, Exeter.

1895. Groves, Montague, P.O. Box 111, Salisbury, Rhodesia, South Africa.

1903. Groves, Thomas, Executive Engineer, Government Factory, Selangor, Federated Malay States.

1903. Guest, George Nevill, Messrs. Hollings and Guest, Thimble Mill Lane, Aston, Birmingham. [3060.]

1903. Gulliver, Gilbert Henry, Engineering Laboratory, The University, Edinburgh.

1894. Hadengue, Charles Benjamin, Messrs. Carew and Co., Rosa Sugar Works, Rosa, North Western Provinces, India.

1899. Hadley, William Pearce Holbrow, Attamkhat Tea Estate, Singraban Hat P.O., Mangaldai, Darrang, Assam, India.

1902. Hailey, Frank Percival, Messrs. R. W. Blackwell and Co., 59 City Road, London, E.C.; and 15 Shaftesbury Road, Ravenscourt Park, London, W.

1902. Hale, Harold, Electric Light Works, Montrose.

1902. Haler, Percy James, 26 Argyle Road, Tottenham, London, N.

1896. Hall, Benjamin Jamea, 39 Victoria Street, Westminster, S.W.

1902. Hall, John Edward, Works Manager, Messrs. William Griffiths and Co., 39 Hamilton House, Bishopsgate Street Without, London, E.C.

1894. Hall, Robert Frederick, Ferndale, Church Road, Moseley, Birmingham.

1897. Halsey, Charles Turner, The Bridge House, Sible Hedingham, Halstead.

1903. Ham, Frederic George Sison, Messrs. Ham, Baker and Co., 13 Grosvenor Road, Westminster, S.W.

1903. Hamilton, Alexander, Jun., Seron, Almeria, Spain.

1901. Hamilton, Thomas Fulton, Carron Iron Works, Carron, R.S.O., Stirlingshire.

1901. Hampton, Joseph, Samuel Buckley, St. Paul's Square, Birmingham.

1903. Handy, Charles Edward, Technical School, Corporation Street, Preston.

1901. Hanning, William, 17 Rue de Maubeuge, Paris.

1903. Hansom, Oswin, Premier Chambers, Fleetwood, R.S.O., Lancashire.
[*Dynamo, Fleetwood.*]

1903. Hardie, Edward Peter, Law Accident Insurance Society, 215 Strand, London, W.C.

1901. Hardwick, Eustace James, Messrs. W. H. Willcox and Co., 23 Southwark Street, London, S.E.; and 42 Linthorpe Road, Stamford Hill, London, N.

1902. Hardy, James Henry, Municipal Technical School, Halifax.

1894. Hardy, William, Messrs. Joseph Fisher and Sons, Newry, Ireland.

1898. Harling, William, Borrowdale House, Lancaster.

1897. Harlow, Bernhard Schäffer, Messrs. Robert Harlow and Son, Heaton Norris Brass Works, Stockport.

1902. Harper, Neville Charles Thomason, 14 Mercury Lane, Durban, Natal.

1903. Harris, Francis Graham Reynolds, Messrs. Bramwell and Harris, Royal Chambers, Queen Street, Cardiff.

1901. Harris, Henry Evans, Manager, Messrs. Massey and Co., Madras, India.

1894. Harris, Herbert Nelson, St. Michael's Foundry, Bridport.

1904. Harris, Stephen Edward, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1901. Harris, William Robert Alexander, Messrs. Thomas and Green, Soho Paper Mills, Wooburn, Bucks.

1903. Hartley, Herbert Anderson, Messrs. Reavell and Co., Ranelagh Works, Ipswich.

1899. Harwood, James Henry, Messrs. Masson, Scott and Co., Coronation Wharf, Townmead Road, Fulham, London, S.W.

1897. Harwood, Robert Henry, Upper Hoogly Jute Mill, 9 Garden Beach, Calcutta, India.

1900. Haskew, Frederick John Thomas, Haskew Walton Co., Winchester House, Victoria Square, Birmingham; and 105 Woodland Road, Handsworth, Birmingham.

1902. Haslam, Alfred Victor, Union Foundry, Derby.

1902. Haste, Frederick Charles, Crown Buildings, 62 Old Broad Street, London, E.C. [*Management, London.*]

1902. Hathorn, James Charles Murray, East Rand Proprietary Mines, P.O. Box 204, Boksburg, Transvaal, South Africa.

1901. Hatschek, Emil, Niles-Bement-Pond Co., 138 Liberty Street, New York, United States.

1900. Haughton, George Bayly, Messrs. Haughton and Co., 6 Lombard Court, London, E.C. [*Haughnot, London.*]

1896. Hawes, David Marc Andrew Graham, Bourne Engineering Co., 19 and 21 Queen Victoria Street, London, E.C.

1903. Hawkins, Elyot Sydney, General Manager, Colne Valley Railway, Halstead.

1901. Hawkins, Lawrence Granville, care of F. Baerlein, 125 Rua dos Bacalhoeiros, 1, Lisbon, Portugal.

1897. Hawkins, Thomas Spear, Millpond House, Hayle.

1902. Hawksley, Charles William, Brightside Boiler and Engine Works, Savile Street East, Sheffield.

1900. Hawksworth, Frederick Sydney, Messrs. John Spencer and Co., Globe Tube Works, Wednesbury; and Great Bridge, Tipton.

1903. Hayward, George, 33 Jameson Street, Kensington, London, W.

1900. Haywood, Arthur Robert, Locomotive Department, Great Central Railway, Staveley, Chesterfield.

1896. Heath, Charles Lewis Eclair, Municipal Technical School, Park Street, Hull.

1903. Heath, James Fox, Heathfield, Lansdowne Grove, Neasden, London, N.W.

1903. Hedley, William Scott, 3 Summerhill Grove, Newcastle-on-Tyne.

1897. Hemingway, Alfred, Great Southern Railway, Albany, Western Australia.

1902. Hemingway, Ransome Leigh, Locomotive Department, Natal Government Railways, Durban, Natal.

1902. Henderson, Donald Douglas, Messrs. Inder and Henderson, Jamaica Buildings, St. Michael's Alley, Cornhill, London, E.C. [*Inderdaad, London.* 9187 Central.]

1901. Henderson, Robert, Messrs. W. M. Melville and Henderson, Sinclairtown Foundry, Kirkcaldy.

1899. Hepworth-Collins, Walter, care of Messrs. Edward Wihl and Co., 17 Nicholas Street, Manchester. [*Collins, care Astra, Manchester.*]

1898. Herschmann, Arthur Julius, Mechanical Engineer, Adams Express Co., 61 Broadway, New York, United States.

1903. Hervey, Charles, Manager, Webb Lamp Co., 11 Poultry, London, E.C. ; and Grove Cottage, Tonbridge.

1901. Heward, Sidney Edgar, 52 Wickham Road, Brockley, London, S.E.

1901. Heydeman, Harry George Julius, Ladybrand, Orange River Colony, South Africa.

1902. Hickinbotham, William Trussell, 28 Birnam Road, Tollington Park, London, N.

1900. Hicks, Fredrick George, Messrs. F. G. Hicks and Co., South Quay, St. Sampson's, Guernsey.

1901. Higginbotham, George, Calico Printers' Association, 56 Mosley Street, Manchester.

1902. Higginson, Frank, Engineer, Broadstairs Gas Co., Alexandra Road, Broadstairs.

1903. Higgs, Arthur Franklin, Chief Engineer, International Fuel Co., Chicago, Ill., United States ; and Clarence House, Russell Street, Gloucester.

1899. Hildage, Henry Thomas, New York, Long Island and Pennsylvania Railway, Astor Court Buildings, 34 West 34th Street, New York, United States.

1902. Hildreth, William Augustus, Messrs. Alfred Herbert, Coventry.

1898. Hill, Alfred Percy, 144 Machon Bank, Nether Edge, Sheffield.

1903. Hill, Frederick John, Messrs. F. J. Hill and Co., Great Central Street, Leicester. [*Gearing, Leicester.* 543.]

1898. Hill, Joseph, Western Works, Hythe Road, Willesden Junction, London, N.W.

1897. Hill, Walter Charles, 6 Westbourne Grove, Bayswater, London, W.

1902. Hinchliffe, George William, City Engineer's Office, Municipal Buildings, Leeds.

1902. Hincks, John Murray, Kolar Gold Fields, Mysore State, South India ; and Manikuppam, Mysore State, South India.

1902. Hislop, David Blaikie, Messrs. John Blaikie and Sons, Aberdeen.

1901. Hislop, George Robertson, Jun., 13 St. James Place, Paisley.

1902. Hislop, Laurence Robertson, Corporation Gas Works, Craigielea, Paisley.

1895. Hockley, Norman Julius, care of Michael Longridge, 12 King Street, Manchester.

1903. Hodgetts, Walter Best, Messrs. Walker and Hodgetts, St. Simon's Electrical Works, Salford, Manchester.

1900. Hodgson, George Henry, P.O. Box 616, Sydney, New South Wales.

1898. Hodgson, Richard Broom, 54 Westfield Road, King's Heath, Birmingham.

1901. Hodsdon, George Charles, Messrs. Yates and Thom, Canal Foundry, Blackburn.

1903. Hodson, Frank Herbert, Messrs. Bailey-Denton and Partners, Palace Chambers, Bridge Street, Westminster, S.W.

1903. Hodson, Horace Malcolm, Messrs. Bryan Donkin and Clench, Parliament Mansions, Victoria Street, Westminster, S.W.

1901. Hogg, John Thallon, Locomotive Department, Government Railways, Durban, Natal.

1901. Holbrow, Charles Anthony, 122 Rokin, Amsterdam, Holland.

1902. Holden, Eustace Charles, Messrs. John and Edward Wood, Victoria Foundry, Bolton.

1902. Holland, Bernard Augustus, Messrs. Tannett Walker and Co., Goodman Street Works, Hunslet, Leeds.

1901. Hollick, Aubrey Samuel, South Fambridge, Rochford, Essex.

1896. Hollingsworth, Edward Massey, St. Helens Corporation Electricity Works, St. Helens, Lancashire.

1903. Hollis, Sydney Ainslie, care of Town Clerk, Bloemfontein, Orange River Colony, South Africa.

1904. Hollows, Arthur, Messrs. Brunner, Mond and Co., Northwich.

1899. Holmes, Harry, Heath View, Mickleover, Derby.

1903. Holmes, Richard John Montague, Corporation Tramways, Manors, Newcastle-on-Tyne.

1898. Holroyd, Victor Avison, Works Manager, Messrs. Rudge-Whitworth, Coventry; and Royd Lodge, Earlsdon, Coventry.

1902. Hope, Alarie, Engineer's Office, Dockyard, Liverpool.

1901. Hopkinson, Allen Haigh, Messrs. J. Hopkinson and Co., Britannia Works, Huddersfield. [*Hopkinson, Huddersfield.* 169.]

1895. Horner, Joseph Gregory, 45 Sydney Buildings, Bath.

1899. Horsnall, William Owen, Messrs. Crompton and Co., Arc Works, Chelmsford.

1903. Horton, Leonard Wilson, Messrs. Horton and Son, Alma Works, Darlaston, Wednesbury.

1903. Hoult, Wilfred, Engineer's Department, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1900. Howell, Edwin James, Alliance Electrical Co., 137 Regent Street, London, W.

1902. Hoyte, Percy Siddons, Manager, Plymouth and Stonehouse Gas Light and Coke Co., Coxsidge, Plymouth.

1903. Hudson, Ernest Victor, Works Manager, Messrs. R. A. Lister and Co Victoria Iron Works, Dursley.

1902. Hudson, Gerard (*Life Associate Member*), Koffyfontein Mines, Koffyfontein, Orange River Colony, South Africa.

1899. Hughes, Francis Edward Harold, care of G. T. Harrap, 5 Budge Row, Cannon Street, London, E.C.

1901. Hughes, George William, care of Alexander Smith, 54 Colmore Chambers, 3 Newhall Street, Birmingham.

1901. Hummel, Horace James Jordan, Pintsch's Patent Lighting Co., 38 Leadenhall Street, London, E.C.

1904. Humphrey, Frederick George, Messrs. George Humphrey and Co., 166 High Street, Sevenoaks.

1899. Humphreys, William Henry, Manager, York Water Works, Lendal Hill, York. [42.]

1902. Hunt, Frank, Messrs. R. Hunt and Co., Atlas Works, Earls Colne, R.S.O., Essex.

1899. Hunt, Henry, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.; and Cotsford, Uplands Park, Enfield.

1902. Hunter, Edgar Lafayette, Messrs. Tannett Walker and Co., 64 Merchants' Exchange, Cardiff.

1903. Hunter, John Chalmers, North British Railway, Cowlairs Works, Glasgow.

1903. Hurst, Bertram Lawrence, Assistant Civil Engineer, H.M. Dockyard, Portsmouth.

1902. Hursthouse, Ernest William, Chief Inspector of Boiler Branch, Mines Department, Perth, Western Australia.

1900. Hutchinson, Richard John, Chief Engineer, Messrs. Schweppes, West Kensington, London, W.; and 33 Pine Road, Cricklewood, London, N.W.

1902. Hyde, George, Chief Engineer, Messrs. Pilkington Brothers, St. Helens, Lancashire.

1902. Illingworth, William, Jun., 9 Market Street, Bradford.

1902. Inder, Clarence John, Messrs. Inder and Henderson, Jamaica Buildings, St. Michael's Alley, Cornhill, London, E.C. [*Inderdaad, London. 9187 Central.*]

1903. Ingle, Herdert Elward, Messrs. Samuel Williams and Sons, Dagenham Docks, Essex.

1898. Inglis, William Rowland Hugh, Brooklands, Eastcote, Pinner, S.O., Middlesex.

1903. Innes, Augustus Montague, Messrs. G. H. Innes and Co., Station Iron Works, Hitchin. [*Innes, Hitchin.*]

1897. Ironside, William Allan, India Development Co., Mozufferpore, Bengal, India.

1896. Issigonis, George Demos, The D. Issigonis Works, Smyrna, Turkey in Asia.

1900. Ito, Kumezo, Mitsu Bishi Dockyard and Engine Works, Nagasaki, Japan.

1902. Izod, Edwin Gilbert, Messrs. Willans and Robinson, Victoria Works, Rugby.

1899. Jackling, Daniel C., United States Smelting Co., Canon City, Colorado, United States.

1898. Jackson, Ernest, 188 Cornwall Road, South Tottenham, London, N.

1900. Jackson, Harold Drinkwater, Messrs. Barr and Stroud, 250 Byres Road, Glasgow; and Westdel, Dowanhill, Glasgow.

1898. Jackson, Robert Hiram, Messrs. Schäffer and Budenberg, Whitworth Street, London Road, Manchester; and 90 Elizabeth Street, Cheetham, Manchester.

1898. James, Henry Haughton Rhodes, 13 Victoria Street, Westminster, S.W.

1902. James-Carrington, Henry, Messrs. Belliss and Morcom, Ledsam Street, Birmingham: and 31 Reservoir Road, Edgbaston, Birmingham.

1902. Jameson, William Hope Masterton, Langham Lea, Bowdon, Altrincham.

1902. Jarvis, Richard, care of Baron L. Knoop, Maison de la Banque des Marchands, Rue Ilyinka, Moscow, Russia.

1902. Jayawardena, Theodore Godfreid Wijesinghe, Government Factory, Colombo, Ceylon.

1903. Jeff, William, Northfleet District Engineering Works, Northfleet, Kent.

1901. Jeffreys, Richard Rice Vesey, care of Resident Engineer, Rhodesia Railways, Bulawayo, Rhodesia, South Africa.

1893. Jenkin, Charles James, Engineer and Surveyor, Urban District Council, Finchley, London, N.

1903. Jewson, Herbert, Works Manager, Messrs. Hobbies, Dereham.

1901. Johnson, Frederic Adolph, Secretary, Gisholt Machine Co., Madison, Wisconsin, United States.

1902. Johnson, Frederick Augustus, Castleton Foundry and Engineering Works, Armley Road, Leeds.

1897. Johnson, George, Messrs. Johnson and Fletcher, P.O. Box 580, Bulawayo, Rhodesia, South Africa.

1903. Johnson, Henry Howard, Resident Engineer, Village Main Reef Gold Mining Co., P.O. Box 1091, Johannesburg, Transvaal, South Africa.

1903. Johnson, Hilton, 5 Bloomsbury Mansions, Hart Street, London, W.C.

1903. Johnson, John Henry, Messrs. Crompton and Co., Arc Works, Chelmsford.

1902. Johnson, Philip Henry, Kroonstad Club, Kroonstad, Orange River Colony, South Africa.

1898. Johnson, Walter Wroe, Castleton Foundry and Engineering Works, Armley Road, Leeds.

1900. Johnston, Charles Morison, Borough Electrical Engineer, Electricity Works, Shrewsbury.

1902. Johnston, Leonard, British Electric Traction Co., 1 Adelphi Terrace, London, W.C.

1903. Jolliffe, Christopher Hubert, Ellesmere, Ward Place, Colombo, Ceylon.

1890. Jones, Arthur Dansey, Locomotive Department, Lancashire and Yorkshire Railway, Horwich, near Bolton.

1903. Jones, Charles, Chief Electrical Engineer, Metropolitan Railway, 32 Westbourne Terrace, Paddington, London, W.

1900. Jones, Frank Harding, 142 Palace Chambers, 9 Bridge Street, Westminster, S.W.

1902. Jones, Laurence Alban, Messrs. T. Bernard Hall and Jones, 119 Colmore Row, Birmingham. [*Tamar, Birmingham.*]

1901. Jones, Samuel Dawson, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham.

1900. Jones, Stanley Hunter, Commercial Gas Works, Stepney, London, E.

1902. Jones, Thomas Morris, 15 Chalsey Road, Brockley, London, S.E.

1901. Jones, William Edwin, Messrs. Christison, Jones and Co., 122 New Kent Road, London, S.E.

1904. Jordan, Albert Edward, Les Forges et Fonderies, Port Louis, Mauritius.

1903. Josselyn, Edward, Messrs. A. Ransome and Co., Stanley Works, Newark.

1899. Joyce, Thomas Walter, Council Offices, Llandudno.

1902. Jukes, Joseph William, Works Manager, Horsfall Destructor Co., Lord Street Works, Whitehall Road, Leeds.

1903. Kay, Ernest Edward, Messrs. William Douglas and Sons, Baltic Wharf, Putney, London, S.W.

1902. Keable, Alfred Henry, Bournemouth Gas and Water Works, Bournemouth.

1901. Keast, James Champion, Camborne Mining School, Camborne.

1901. Keegan, Frank John, Dunlop Pneumatic Tyre Co., Coventry.

1899. Kempt, Alfred Rodney, R.N., 13 Downs Road, Clapton, London, N.E.

1901. Kenrick, Archibald, Jun., Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1902. Kenshole, Henry Harding, Chief Engineer, West Ham Borough Asylum, Goodmayes, Ilford.

1899. Kensington, John Charlton, Resident Engineer, San Salvador Railway and Works, Astillero, Provincia de Santander, Spain.

1902. Kentish, Hubert, Engineer's Office, Royal Victoria Docks, London, E.

1898. Kerr, James B., Cremorne Motor Manufacturing Co., Lot's Road, Chelsea, London, S.W.

1904. Kerr, William Scott, Messrs. Richard Moreland and Son, 25 and 27 Old Street, London, E.C.

1900. Kersey, Alfred Thomas John, 3 Ardullen View, Magazine Road, Cork.

1899. Kershaw, Grindrod, Rochdale Municipal Technical School, Nelson Street, Rochdale.

1897. Ketley, Charles Bosworth, 128 Colmore Row, Birmingham. [*Invent, Birmingham. 1132.*]

1903. Kidd, John William, Messrs. G. F. Milnes, Castle Car Works, Hadley, Wellington, Shropshire.

1902. Kilroy, Willie Dickson, Messrs. Evershed and Vignoles, Acton Lane Works, Chiswick, London, W.

1901. Kimber, Harry Watkins, Messrs. Dick, Kerr and Co., 110 Cannon Street, London, E.C.

1901. King, Ernest, Messrs. Mellowes and Co., Corporation Street, Sheffield.

1902. King, Henry James Hubert, Messrs. H. J. H. King and Co., Nailsworth, Stroud, Gloucestershire.

1893. Kirk, Percy Roebuck, Hackney Technical Institute, Cassland Road, London, N.E.

1902. Kirton, Walter, Government Inspector of Machinery, Barberton, Transvaal, South Africa.

1901. Kitchin, John William, Dock Engineer's Office, Cumberland Basin, Bristol.

1902. Kitsell, Archibald Edward, 1B Stebbing Street, Latimer Road, Notting Hill, London, W.

1901. Knight, Arthur Henry, Veile Cotton Spinnery, Veile, Denmark.

1903. Knocke, George Stodart, Oulton Broad, Lowestoft.

1901. Knotterford-Fortescue, John Nicholas, care of E. J. Elford, Borough Engineer's Offices, Southend-on-Sea.

1903. Knowles, George Stanley, 2 The Bund, Tientsin, China.

1903. Koetter, Arnold, 64 Richmond Grove, C-on-M., Manchester.

1901. Kortright, Percy Forbes, Emerald Lodge, Emerald Street, Saltburn-by-the-Sea.

1901. Kremnitz, Harry, Prudential Buildings, Park Row, Leeds.

1897. Lacy-Hulbert, Charles Edward, 25 Victoria Street, Westminster, S.W.

1903. Lakin-Smith, Clifford, Resident Engineer, Dorking Electricity Supply, 2 Howard Road, Dorking.

1903. Lamb, Sidney Ernest, Technical Institute, Portsmouth.

1903. Lambert, John Henry, Locomotive Department, South Indian Railway, Negapatam, India.

1902. Lampard, Percy, Public Works Department, Simla Provincial Division, Viceregal Lodge, Simla, India.

1903. Lancaster, John Hayes, Officiating Mechanical Engineer, Municipal Offices, Rangoon, British Burma, India.

1904. Langley, George, 49 Bromham Road, Bedford.

1901. Larkin, Frederick Stanley, Gas Light and Coke Works, Beckton, London, E.

1897. Larmuth, John Hamilton, Messrs. Thomas Larmuth and Co., Todleben Iron Works, Unwin Street, Cross Lane, Salford, Manchester; and 200 Barton Lane, Eccles, Manchester.

1898. Larmuth, William Oliver, Messrs. Thomas Larmuth and Co., Todleben Iron Works, Unwin Street, Cross Lane, Salford, Manchester; and Westleigh, Devonshire Road, Bentcliffe, Pendleton, Manchester.

1896. Lawson, Harry John, 34 Victoria Street, Westminster, S.W.

1902. Lawson, William, Messrs. Richardsons, Westgarth and Co., Middlesbrough; and 69 Kensington Road, Middlesbrough.

1893. Lea, Arthur Henry, Messrs. Lea and Warren, Kettering.

1901. Lea, Frederick Mackenzie, 38 Bennett's Hill, Birmingham. [*Engineer, Birmingham.* 113.]

1902. Leach, Robert William, Messrs. Foster Brothers, Lea Brook Tube Works, Wednesbury.

1903. Lean, Clement, 99 Jerningham Road, New Cross, London, S.E.

1903. Le Clair, Louis Jean, Engineer's Department, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1901. Leeds, Edward Lambert, Brown Hoisting Machinery Co., 39 Victoria Street, Westminster, S.W.

1903. Lenox, George Duncan, Messrs. Brown, Lenox and Co., Newbridge Works, Pontypridd.

1898. Leonard, Peter, The Cottage, Crosby, Liverpool.

1901. Lester, John Milner, Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W.; and 3 Hindes Road, Harrow.

1902. Lewenz, Henry Ivan, London Electric Supply Corporation, Stowage Wharf, Deptford, London, S.E.

1902. Lewis, Fredrick William, British Thomson-Houston Co., Rugby.

1903. Lewis-Dale, Henry Angley, H.M. Dockyard, Pembroke.

1902. Liddell, Guy, East Indian Railway, Allahabad, India.

1903. Limozin, Ferdinand Louis Joseph, Hill House, Rayne Road, Braintree.

1901. Lindsay, The Hon. Walter, 2 Cavendish Square, London, W.

1902. Lindsey-Badcock, William, Chief Engineer's Office, Great Western Railway, Paddington, London, W.

1902. Linscott, Arthur Burrow, 16 Westbourne Square, Bayswater, London, W.

1903. Lister, Arthur James, National British and Irish Millers' Fire Insurance Co., 4 York Street, Manchester.

1900. Locket, Athol, Jokai Tea Co., Panitola, Dibrugarh, Assam, India.

1903. London, William James Albert, The British Westinghouse Electric and Manufacturing Co., Westinghouse Works, Trafford Park, Manchester.

1895. Longbottom, John Gordon, Glasgow and West of Scotland Technical College, 38 Bath Street, Glasgow.

1903. Longland, Walter, Northampton Institute, Clerkenwell, London, E.C.

1900. Longley, Henry Banks, Engineer, Moss Side Urban District Council, Moss Side, Manchester.

1902. Longley, Reginald, Messrs. Octavius H. Smith and Co., 111 Grosvenor Road, London, S.W.

1902. Lorimer, Alexander Smith, Messrs. Dübs and Co., Glasgow Locomotive Works, Glasgow.

1902. Loscher, Albert Paul, Westinghouse Machine Co., East Pittsburg, Pa., United States.

1901. Loughborough, Charles, City Engineer's Office, Westminster City Hall, Charing Cross Road, London, W.C.

1898. Love, Robert Templeton, Royal Bank House, Stewarton, R.S.O., Ayrshire.

1896. Lovell, Samuel George, Stickney, Boston.

1903. Loveridge, Arthur Walter, Swindon and North Wilts Technical School, Swindon.

1903. Lucas, Ralph, 191A Westcombe Hill, Blackheath, London, S.E.

1898. Lund, John, Messrs. Ashwell and Nesbit, 12 Great James Street, Bedford Row, London, W.C.

1902. Lupton, Norman Darnton, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1901. Lyddon, George Edward, 3 Belgrave Road, Ilford.

1902. Lyon, Arthur Anderson, 16½ Haverstock Hill, London, N.W.

1901. MacCurrach, Douglas Cochrane, The Briars, Saltburn-by-the-Sea.

1897. MacIvor, Alexander, Messrs. Potter and Co., Hollins Paper Mills, Darwen.

1901. Mackail, John Henderson, 60 St. Martin's Lane, London, W.C.

1903. Mackay, Harry John Sutherland, The Stirling Co., 53 Deansgate Arcade, Manchester.

1903. Mackenzie, Thomas Alexander, 16 Billiter Buildings, London, E.C.

1903. MacLennan, Hope Vere, Chief Mechanical Engineer, Kimberley Water Works, Kimberley, South Africa.

1903. Macleod - Carey, Arthur William Joseph, 2 Woodlands Terrace, Middlesbrough. [*Selector, Middlesbrough.*]

1902. Macnab, Thomas Pollock, Messrs. Pollock and Macnab, 131-133 Deansgate, Manchester. [*Macnab, Manchester.* Central 4500.]

1901. Main, George Peet, Parade, Leamington.

1903. Maitland, Dascon James, 96 Jackson Street, Stretford, Manchester.

1901. Mannock, James Jackson, General Manager, Falcon Iron Works, Oldham. [*Falcon, Oldham.* 352.]

1896. Mansfield, Alfred, Messrs. Edwin Mansfield and Sons, 20 Redcross Street, Liverpool.

1899. Mansfield, James Francis, Central London Railway, Shepherd's Bush Depôt, London, W.

1897. Mansfield, Walter, Messrs. Mansfield and Sons, Royapuram, Madras, India. [*Mansfield, Madras.*]

1901. March, Sydney Herbert, Messrs. Charles Churchill and Co., 2 Charlotte Street, Mosley Street, Manchester.

1903. Margetson, Alfred James, Merchant Venturers' Technical College, Bristol.

1902. Maria, Horacio Santa, Administracion del Gas, Rosario de Santa Fé, Argentine Republic.

1892. Marks, Alfred Pally, 55 Gillott Road, Birmingham.

1900. Marks, Gordon Cumming, Manager, Messrs. Aveling and Porter, Rochester; and 263 Maidstone Road, Rochester.

1903. Marples, Stephen Arnold, Staple Inn Buildings, Holborn Bars, London, W.C.

1902. Marrian, Arthur Edward, Works Department, H.M. Royal Marine Depôt, Deal.

902. Marsden, Alfred, Works Manager, Carl Oppermann Electric Carriage Co., 7 Underhill Street, Arlington Road, Camden Town, London, N.W.

1903. Marsden, Fred, Town Hall, Bradford.

1903. Marsh, Charles Fleming, Resident Engineer, East London Water Works, New Reservoir Works, Higham Hill Ferry, Walthamstow, London, N.E.

1899. Marshall, Launcelot Paul, Northern Outfall Works, Beckton, North Woolwich, London, E.

1900. Marshall, Thomas, 105 Darlaston Road, Pleck, Walsall.

1899. Martin, John, 11 Sulgrave Road, Shepherd's Bush, London, W.

1901. Martyn, Sarsfield William, Le Carbone, 17 Water Lane, Great Tower Street, London, E.C.

1902. Mascall, Arthur Edward, Ordnance Department, Messrs. William Beardmore and Co., Lancefield Street, Glasgow.

1902. Mason, John Farrer, Hand-in-Hand Buildings, Park Row, Leeds.

1901. Mason, John William Victor, Messrs. W. F. Mason, 504 Stockport Road, Longsight, Manchester. [*Gasify, Manchester.* Rusholme 68.]

1900. Massey, Edward, Dallam Forge, Warrington.

1900. Mate, Walter Edwin, Federated Malay States Railways, Perak, Straits Settlements.

1902. Matsubara, Takashi, Mitsui Mining Co., 1 Surugachio, Nihonbashi Ku, Tokyo, Japan.

1899. Maw, Henry, 17 Victoria Street, Westminster, S.W.; and 55 Margravine Gardens, West Kensington, London, S.W.

1902. Mayes, Howard, Newby, Hill Lane, Southampton.

1902. Mayo, Charles Robert, Argentine Great Western Railway, River Plate House, Finsbury Circus, London, E.C.

1899. McAll, Henry Wardlaw, Messrs. J. G. White and Co., Construction Office, Central Station Approach, Bournemouth.

1899. McBean, John, East Rand Proprietary Mines, P.O. Box 204, Boksburg, Transvaal, South Africa.

1902. McCaffery, James, Westminster Electric Supply Co., Eccleston Place, Belgravia, London, S.W.

1904. McCallum, Edward Alfred, Baku Russian Petroleum Co., Baku, Russia.

1903. McDonald, William, Electric Supply Department, Commercial Street, Sheffield.

1902. McDougall, Hugh, Works Manager, Messrs. I. C. Johnson and Co., Gateshead.

1899. McFerran, Howard A., H.M. Office of Works, Storey's Gate, Westminster, S.W.; and 40 Handen Road, Lee, London, S.E.

1894. McGeorge, James, Bombay Burmah Trading Corporation, Rangoon, British Burmah, India.

1902. McGhee, Alexander, 48 St. Albans Road, Redland, Bristol.

1903. McGregor, James, Locomotive Department, Natal Government Railways, Durban, Natal: (or Fair View, Melrose).

1898. McGregor, John, Messrs. Murray and Paterson, Coatbank Engine Works, Coatbridge.

1901. McKerlie, James, 35 Brenturst Road, Willesden, London, N.W.

1903. McLaren, William David, Thomason Civil Engineering College, Roorkee, North Western Provinces, India.

1904. McLean, Alexander Malker, Ocean Accident and Guarantee Corporation, 9 Albert Square, Manchester; and 6 Worcester Avenue, Clubmoor, Liverpool.

1902. McMahon, John Joseph, Corporation Tramways, 55 Piccadilly, Manchester.

1891. McMeekin, Adam, Cogry Flax Spinning Mills, Doagh, R.S.O., Co. Antrim, Ireland.

1902. McMillan, John, Resident Electrical Engineer, Burgh Chambers, Falkirk.

1903. Medley, Charles Powis, Surbiton Electricity Supply Works, Surbiton, Surrey.

1900. Meek, George Thomas, Electric Lighting Works, Townmead Road, Fulham, London, S.W.

1897. Meggitt, George Teale, Messrs. Samuel Meggitt and Sons, Hamilton Road, Sutton-in-Ashfield, Nottingham; and The Cliff, Woodhouse Road, Mansfield.

1902. Mensforth, Holberry, Blast Furnace Power Syndicate, 29 Great George Street, Westminster, S.W.

1902. Meyrick-Jones, Leonard Meyrick, Stanley House, King's Stanley, Stonehouse, Glos.

1899. Middleton, Harry Herbert, New Kleinfontein, Benoni, Transvaal, South Africa.

1903. Miller, John, Engineer's Department, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1903. Miller, William Thomas Ward, 30 Beech Hill Road, Sheffield.

1894. Mills, Arthur Edwin, 3 Mountstuart Square, Cardiff.

1901. Mills, Frank, District Railway Engineer, Taipeng, Perak, Malay Peninsula.

1903. Mills, Lieut. James Jesse, A.O.D., Inspector of Ordnance Machinery, Manora, Karachi, India.

1899. Mills, Joseph Amos, Salisbury and Jubilee Gold Mining Co., P.O. Box 1122, Johannesburg, Transvaal, South Africa.

1897. Mills, Samuel James Augustus, Belgrave Mills, Darwen.

1902. Mitchell, James, Engineer's Office, Tees Conservancy Commissioners, Middlesbrough.

1893. Mitchell, James Frederick Bruce, Messrs. J. F. B. Mitchell and Co., Mazagon Iron Works, Bombay, India.

1902. Mitchell, John, 8 Great George Street, Westminster, S.W.

1896. Mitton, Thomas Evans, Messrs. Hunt and Mitton, Crown Brass Works, Oozells Street North, Birmingham. [Mitton, Birmingham. 394.]

1903. Moffet, James Scott Duncan, Borough Engineer's Office, Rochdale.

1894. Monckton, Charles John, Phoolultah Tea Estate, Sagurnal Post Office, Sylhet, Assam, India.

1896. Moncrieff, Robert Wighton, Briar Hill House, near Northampton.

1903. Monkhouse, Frank Lionel, 42 Paradise Street, Liverpool.

1903. Monro, Lieut. John Duncan, R.E., Coombe Wood, Kingston-on-Thames.

1903. Montague, Graham, Messrs. Sisson and Co., Quay Street Iron Works, Gloucester.

1902. Montgomery, Charles Hubert, Carriage and Wagon Department, Lancashire and Yorkshire Railway, Victoria Station, Manchester.

1903. Moon, James George, City and Suburban Electric Carriage Co., Upper Manor Street, King's Road, London, S.W.

1900. Moore, George Edward, Messrs. William Beardmore and Co., Lancefield Engine Works, Glasgow.

1903. Moore, James Foster, Corporation of Sunderland, Electric Supply Station, Dunning Street, Sunderland.

1903. Moore, Noel Stephen, Bradshaw Colliery and Gannister Works, Penistone, Sheffield.

1902. Moore, Thomas Reade, 29 West Parade, Huddersfield.

1903. Morgan, Douglas Howard, Felsted, Essex.

1903. Morgan, Edward George, Messrs. Kennan and Sons, 19 Fishamble Street, Dublin.

1903. Morgan, Frederick John, British Mannesmann Tube Works, Landore, R.S.O., Glamorganshire.

1901. Morris, Robert Edmund, New River Water Works, Finsbury Park, London, N.

1898. Morris, William Joseph, Sheepbridge Iron Works, Chesterfield.

1900. Morton, John Henry, 2 Durocher Street, Montreal, Canada.

1902. Mowat, Magnus, Jun., Millwall Docks, London, E.

1902. Mowbray, Archibald Holme, Managing Director, Messrs. Smith and McLean, Mavisbank, Glasgow. [*Mavisbank, Glasgow. 1507.*]

1902. Mowbray, Frank Herbert, Printing Arts Co., 119-123 Shaftesbury Avenue, London, W.C.

1902. Muggeridge, Harold Chisman, care of Messrs. King, Hamilton and Co., 7 Hare Street, Calcutta, India.

1899. Muirhead, David, Kirkintilloch, Glasgow.

1898. Munyard, Alfred, 15 Prince's Street, Pollokshields, Glasgow.

1902. Murphy, William, Messrs. F. Reddaway and Co., Pendleton, Manchester.

1901. Murray, Peter Butchart, Messrs. James Carmichael and Co., Ward Foundry, Dundee.

1904. Napier, Frederick Disney, Willesden District Council, Taylor's Lane Electricity Works, Willesden, London, N.W.

1900. Naylor, Joe, 14 Woodside Place, Halifax.

1901. Naylor, John Alfred, Messrs. Rosser and Russell, 22 Charing Cross, London, S.W. [*Lesorus, London. Gerrard 5210.*]

1903. Naylor, John Hardcastle, Royal Military Academy, Woolwich.

1903. Neachell, Edward John, Liverpool Overhead Railway Co., 31 James Street, Liverpool.

1902. Neal, Henry Andrews, St. Pancras Ironwork Co., Belle Isle, York Road, London, N.

1899. Neal, Robert Henry Bennett, Bolitho Bank Chambers, Princess Square, Plymouth. [*Output, Plymouth.* 594.]

1900. Neilson, Robert Morrison, Messrs. Marks and Clerk, 30 Cross Street, Manchester.

1902. Nelson, Robert, Walker and Wallsend Union Gas Co., Neptune Bank, Wallsend-on-Tyne; and Western Villa, Wallsend-on-Tyne.

1899. Nettlefold, Godfrey, Messrs. Guest, Keen and Nettlefolds, 16 Broad Street, Birmingham. [*Nettlefolds, Birmingham.* 2086.]

1896. Newell, Ernest, Messrs. Ernest Newell and Co., Stockwith-on-Trent, Gainsborough. [*Woods, Misterton.*]

1902. Newman, William Henry, Totteridge Park, Herts.

1901. Newton, Henry Edward, 18 Lewisham High Road, London, S.E.

1903. Nicholas, David Curtis, Chief Mechanical Enginoer, Ashanti Goldfields Corporation, Obuassi, *via* Sekondi, Gold Coast Colony, West Africa.

1896. Nicholls, Percy, Westinghouse Electric and Manufacturing Co., East Pittsburg, Pa., United States.

1901. Nichols, Henry Francis, Manager, Messrs. James Hill and Sons, 16 and 18 Currie Street, Adelaide, South Australia.

1901. Nichols, Henry John, Messrs. Cloud and Nichols, Strand-on-the-Green, Chiswick, London, W.

1902. Nicholson, Robert Jaffray, 26 Cannon Street, Manchester. [*Reference, Manchester.* Central 5432.]

1902. Nixon, Charles Basil, Manchester Motor Transport Co., 10 Deansgate, Manchester.

1903. Norman, George Frederick Alexander, General Electric Power Co., Germiston, Transvaal, South Africa.

1894. North, Horace, St. George's Engineering Works, Trafalgar Street, Brighton.

1897. Norton, Arthur, 12 Stanmore Road, Edgbaston, Birmingham.

1899. Norton, Samuel Joseph, 22 Bushnell Road, Balham, London, S.W.

1900. Ockenden, Maurice Albion, Jun., Messrs. Duke and Ockenden, 126 Southwark Street, London, S.E.

1902. O'Connell, John George, Messrs. Casebourne and Co., Pioneer Cement Works, Haverton Hill, Middlesbrough; and Wellington Hotel, Haverton Hill, Middlesbrough.

1903. O'Gorman, Mervyn, 82 Victoria Street, Westminster, S.W. [*Cosmogony, London.* 734 Westminster.]

1904. Oliver, Arthur Richard, Superintending Engineer, Pure Oil Co., 4 Lloyd's Avenue, Fenchurch Street, London, E.C.

1900. O'Reilly, Francis Joseph, Gold Coast Government Railways, Obuassi, Kumasi Extension, West Africa.

1902. Orr, John, Professor of Engineering, South African School of Mines, Kimberley, South Africa.

1902. Orr, Thomas Reginald James, Electric Supply Station, Water Street, Birmingham.

1901. Osborn, John Lee, 1 Queen Anne Buildings, 38 Baldwin Street, Bristol.

1899. Osburn, George Victor, Messrs. Topham, Jones and Railton, Plant Dépôt, Dunballs Road, Cardiff.

1899. Oswald, George Herbert, Winsley Chase, near Bradford-on-Avon.

1901. Oughterson, George Henry, Ordnance Department, Messrs. Vickers, Sons and Maxim, Naval Construction Works, Barrow-in-Furness; and 40 Blessington Road, Lewisham, London, S.E.

1902. Owston, William Henry, Messrs. James Simpson and Co., Newark.

1901. Page, Hugh Algernon, Newlyn, Lynmouth Road, Fortis Green, East Finchley, London, N.

1901. Page, James Handford, 16 Seaton Buildings, 17 Water Street, Liverpool. [*Inspecting, Liverpool. Central 6204.*]

1903. Page, William Christopher, 204 Tressillian Road, Brockley, London, S.E.

1901. Palmer, Alfred, Union Engineering Works, Union Lane, Sheffield.

1900. Palmer, Benedict Joseph, Chief Engineer, Civil Service Supply Association, 136 Queen Victoria Street, London, E.C.

1900. Palmer, Henry Boswell, Jun., Driefontein Consolidated Mines, Boksburg, Transvaal, South Africa: (or 13 Chapter Road, Willesden Green, London, N.W.)

1902. Palmer, William Duke, Baltic Chambers, 50 Wellington Street, Glasgow.

1902. Papworth, John Wyatt, Westminster Electric Supply Co., Eccleston Place, Belgravia, London, S.W.; and 115 St. Mary's Mansions, Paddington, London, W.

1900. Parker, Frederic George William, 28 Victoria Street, Westminster, S.W.

1902. Parker, Frederick Thomas, St. John del Rey Mines, Morro Velho, Minas Geraes, Brazil.

1896. Parker, John, Messrs. E. Green and Son, 2 Exchange Street, Manchester.

1902. Parkinson, Charles Frederick, Resident Engineer, Paisley Corporation, Electricity Works, Blackhall, Paisley.

1900. Parkinson, Ernest, Canal Iron Works, Shipley, Yorks. [*Temples, Shipley. 4080.*]

1901. Parks, Walter Algernon, 46 Queen Victoria Street, London, E.C.
1901. Parr, George Dudley Aspinall, Yorkshire College, Leeds.
1901. Parsonage, William Rawlett, Municipal Technical School, Suffolk Street, Birmingham.
1898. Parsons, Harry, 67 Beechdale Road, Brixton Hill, London, S.W.
1904. Parsons, Thomas George, Manager, New Rossleigh Cycle and Motor Co., Dundee.
1903. Pasquier, Arthur Edmund du, British Westinghouse Co., Phoenix Buildings, Mount Stuart Square, Cardiff.
1901. Patchett, Joseph Henry, Great Northern and City Railway, Poole Street, New North Road, London, N.
1896. Patel, Motibhai Bhikhabhai, Bhadran, near Borsad, India.
1896. Patel, Raajibhai Motibhai, Secretary, Public Works Department, Baroda, India.
1903. Paterson, Sydney, Manager, Messrs. Johnson and Phillips, Old Charlton, Kent. [*Cables, Old-Charlton. 46 Woolwich.*]
1902. Paterson, William, Works Manager, Messrs. William Watson and Co., Alexandria, Egypt.
1902. Patey, Arthur Pettman, Resident Engineer, Houses of Parliament, Westminster, S.W.
1902. Payne, Frank Gervas, Randfontein Estates G. M. Co., Randfontein, near Johannesburg, Transvaal, South Africa.
1903. Pearson, Harry, Managing Director, Stockport Engineering Co., Stockport. [*Stockport, Engineering, Stockport. 302.*]
1901. Peckett, Arthur, Messrs. Homan and Rodgers, Ware.
1896. Pendred, Loughnan St. Lawrence, 33 Norfolk Street, Strand, London, W.C.
1901. Percy, Frank, Mining College, Wigan.
1901. Peregrine, William Henry, Rochdale Technical School, Rochdale; and Manchester Road, Bury, Lancashire.
1901. Perkins, William John, 17 Victoria Street, Westminster, S.W.
1902. Perry, Herbert Duncan Smith, 122 Cannon Street, London, E.C.
1893. Pertwee, Herbert Arthur, Nelson Iron Works, Great Yarmouth.
1894. Peters, Lindsley Byron, Messrs. G. D. Peters and Co., Moorgate Works, Moorfields, London, E.C. [*Peters, London.*]
1900. Petter, Ernest Willoughby, Messrs. James B. Petter and Sons, 73 Queen Victoria Street, London, E.C. [*Escapable, London. Bank 973.*]
1899. Petter, Percival Waddams, Works Manager, Messrs. James B. Petter and Sons, Nautilus Works, Yeovil. [*Petter, Yeovil.*]
1902. Pettit, Arthur Edward, Oatlands Park, Weybridge.
1902. Phelps, George Ingram de Brissac, Temple Courts, Temple Row, Birmingham.
1898. Phillipps, John, Cornubia House, Carlton Road, Nottingham.

1897. Phillips, Edwin Grant, Messrs. Jackson and Phillips, Conde de Aranda 1, bajo, Madrid, Spain.

1899. Phillott, George Henry, 13 Promenade, Cheltenham.

1902. Philpot, Harold Percy, Engineering Laboratory, University College, Gower Street, London, W.C.

1903. Pickering, William Sellers, Messrs. Willey and Co., Exeter.

1902. Piesse, Frederick Thomas Roper, Messrs. F. and C. Piesse, Kutanning, Western Australia.

1899. Pigott, Arthur, Babcock and Wilcox Co., 14 Deansgate, Manchester.

1901. Pinkney, Thomas Samuel, 6 Farcroft Avenue, Handsworth, Birmingham.

1902. Pittar, Albert Vyvyan, P.O. Box 5627, Johannesburg, Transvaal, South Africa.

1903. Plaister, William Edward, Messrs. Lloyd and Plaister, Motor Works, Station Road, Wood Green, London, N.

1900. Plant, David Thomas, Superintending Engineer's Office, H.M. Naval Establishment, Rosyth, Inverkeithing, Fifeshire.

1897. Player, Ralph, Messrs. Joseph Wright and Co., 124 Victoria Street, Westminster, S.W.

1903. Pocock, James Herbert, Messrs. Willans and Robinson, 54 Gordon Street, Glasgow. [*Throttle, Glasgow. 4151.*]

1901. Pointon, John Edward, Messrs. Lewis and Pointon's Panification, Wellington, Salop.

1896. Pollard, Ferdinand Joseph, P.O. Box 2485, Johannesburg, Transvaal, South Africa.

1902. Poole, Richard, 92 Victoria Street, Westminster, S.W.

1903. Porter, Eustace William, Works Department, Devonport Dockyard, Devonport.

1897. Porter, Stanley William, 32 Queen Victoria Street, London, E.C.

1903. Pover, George Alfred Franklin, Consolidated Engineering Co., Gotha Iron Works, Slough.

1895. Powell, Benjamin Newton, Manager, Lidgerwood Manufacturing Co., Soerabaya, Java: (or care of C. T. Powell, Cherry Street, Birmingham.)

1903. Powell, Charles Skryne, British Westinghouse Electric and Manufacturing Co., 2 Norfolk Street, Strand, London, W.C.

1900. Powell, David Thomas, care of Dr. Alexander B. W. Kennedy, 17 Victoria Street, Westminster, S.W.

1899. Powell, Ernest Brecon, Messrs. Whitehead and Co., Portland Harbour Torpedo Works, Weymouth.

1903. Pownall, John Edmund, Borough of Hampstead Electricity Department, Lithos Road, Finchley Road, London, N.W.

1899. Powrie, William Lyall, Messrs. Furnival and Co., 32 St. Bride Street, London, E.C.

1898. Prance, Cyril Rooke, E Division, South African Constabulary, Bloemfontein, Orange River Colony, South Africa.

1903. Preston, Frederick Kennerley, Bradford Dyers' Association, Well Street, Bradford.

1901. Prestwich, John Alfred, 1 Lansdowne Road, Tottenham, London, N.

1902. Price, Albert Edward, Messrs. George Price, Cleveland Works, Wolverhampton. [*Safes, Wolverhampton.* 225.]

1900. Price, Rowland, Wellington Cordite Factory, Aruvankad, Nilgiris, India.

1899. Price, William Frederick, Callender's Cable and Construction Co., Fairclough Lane, Liverpool.

1901. Pritchard, Roger Cromwell, Messrs. Callender's Cable and Construction Co., Belvedere, S.O., Kent; and 55 Highbury New Park, London, N.

1902. Pritchard, William Elias, Chief Electrical Engineer, Electricity Works, Port Dinorwic, R.S.O., Carnarvonshire.

1899. Prockter, Frederick Malcolm, 111 Duke Street, Southport.

1900. Prockter, George Harold, R.N.R., Cunard Steamship Co., Derby Road, Liverpool; and The Grange, Duke Street, Southport.

1903. Procter, Charles Gilbert, Messrs. Thomas Potter and Sons, 44 South Molton Street, London, W.

1903. Prosser, Robert Walter Ostell, 108 South Hill Park, Hampstead, London, N.W.

1903. Prüssmann, Carl Adolf Louis, Borough Electrical Engineer, Strand, Swansea.

1901. Pryor, Henry Allen, Messrs. Mewburn, Ellis and Pryor, 70 and 72 Chancery Lane, London, W.C. [*Patent, London.* Holborn 243.]

1899. Pugh, John Vernon, Guiting House, Allesley, Coventry.

1902. Pulvertaft, Robert George, Messrs. R. Pulvertaft and Sons, 119 and 120 George's Street, Cork. [384.]

1900. Purves, William Thompson, 47 York Place, Edinburgh. [1259.]

1901. Pye, Joseph Harger, Manager, Gas Works, Clevedon.

1902. Radcliffe, Arthur Edward, Engineer, Horbury Urban District Council, Council Offices, Horbury, near Wakefield.

1899. Radley, Bertram Vernon, East Indian Railway, Jamalpur, Bengal, India.

1903. Rainer, Edward Allan, Messrs. E. R. and F. Turner, St. Peter's Iron Works, Ipswich.

1901. Rainforth, William Frederick, South Park, Lincoln.

1902. Ramsay, Andrew Cassels, Works Manager, Soap and Oil Works, Kafr-el-Zayat, Egypt.

1902. Rankin, Ernest Alfred, Somerville, Bourton, Dorset.

1899. Rapson, Josiah Trevor, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.

1901. Rasey, Alfred Ernest, City and South London Railway Extension, 7 Denman Street, London, S.E.; and Brooklyn, Brondesbury Villas, Kilburn, London, N.W.

1896. Rayner, Harry Stafford, Sir W. G. Armstrong, Whitworth and Co., Ashton Road, Openshaw, Manchester.

1902. Read, Charles Macartney, Managing Engineer, Cape Peninsula Lighting Co., Central Power Station, Claremont, Cape Colony.

1899. Read, George Henry, National Cash Register Co., 124 Oxford Street, London, W.

1904. Reay, Edward, Baku Russian Petroleum Co., Baku, Russia.

1899. Redding, Walter, Ingfield, Jackson Avenue, Gledhow, Leeds.

1892. Redfern, Charles George, 4 South Street, Finsbury, London, E.C. [*Invention, London. Avenue 691.*]

1903. Redman, Sydney George, 26 Laburnam Avenue, Wallsend, R.S.O., Northumberland.

1903. Reeve, Walter, Engineering Department, Technical College, Huddersfield.

1902. Reid, John Wilson, Napier House, Bridge of Allan.

1902. Rennie, John Assheton, Messrs. G. Rennie and Co., Greenwich Iron Shipbuilding Yard, Thames Street, Greenwich, London, S.E.

1903. Renwick, Robert, Surveyor and Water Engineer, Horsham Urban District Council, Horsham.

1903. Rew, Reginald John, Works Manager, Messrs. Willey and Co., Exeter.

1903. Rexworthy, Harold Sibree, East Ferry Road Engineering Works, Millwall, London, E. *

1901. Reynolds, Alfred Milward, Messrs. John Reynolds and Sons, Newtown Row, Birmingham.

1903. Reynolds, Charles Hubert, Office of the Crown Agents for the Colonies, Downing Street, London, S.W.

1903. Richards, Walter Granger, Manager, William Richards, Britannia Foundry, Middlesbrough. [*William Richards, Middlesbrough. 10.*]

1900. Riches, Carlton Tom Hurry, Sir Alexander Rendel and Co., 8 Great George Street, Westminster, S.W.; and 50 Coldra Road, Newport, Mon.

1893. Richey, William Frederick Albert, Messrs. Chance Brothers and Co., Lighthouse Works, near Birmingham.

1895. Ridley, Clarence Oliver, Sir W. G. Armstrong, Whitworth and Co., 8 Great George Street, Westminster, S.W.

1892. Ridley, James Cartmell, Jun., Swalwell Steel Works, Newcastle-on-Tyne.

1896. Rieter, E. Henry, Schloss Kyburg, near Winterthur, Switzerland.

1902. Ritchie, Andrew Mackie, Messrs. Davey, Paxman and Co., P.O. Box 2037, Johannesburg, Transvaal, South Africa.

1901. Ritchie, Thomas Edward, Messrs. Royce, Cooke Street, Hulme, Manchester.

1901. Riviere, Philip Lyle, Messrs. Kennedy and Jenkin, 17 Victoria Street, Westminster, S.W.

1903. Rix, Gayford, 39 Wolverhampton Road, Stafford.

1903. Robb, John, Chief Engineer, Messrs. Henry Bruce and Sons, Kinleith Paper Mills, Currie, R.S.O., Midlothian.

1903. Robb, William, East London Technical College, People's Palace, Mile End Road, London, E.

1899. Roberts, Basil Owen, care of T. H. Douglas, The Bank, Coldstream.

1903. Roberts, Charles Drury, Locomotive Drawing Office, C.S.A. Railways, Pretoria, Transvaal, South Africa.

1893. Roberts, Charles Thomas, Salisbury, Rhodesia, South Africa.

1903. Roberts, Joseph, Manager, Melbourne Tramway and Omnibus Co.'s Car Factory, 27 Scotchmer Street, North Fitzroy, Melbourne, Victoria.

1899. Roberts, Percy Roper, P.O. Box 31, Salisbury, Rhodesia, South Africa.

1903. Roberts, Trevor, Great Western Railway Works, Swindon.

1903. Robertson, George Findlay, National Boiler Insurance Co., 22 St. Ann's Square, Manchester.

1903. Robertson, John Murray, Superintendent, Lucknow Water Works, Aish Bagh, Lucknow, India.

1901. Robinson, Herbert, Messrs. Redpath, Brown and Co., Riverside Works, East Greenwich, London, S.E.

1901. Robinson, Leonard Leslie, Borough Electrical Engineer, Hackney Electricity Works, Millfields Road, Clapton, London, N.E.

1901. Robinson, Sydney Greenwood, Messrs. F. L. Smidh and Co., Palace Chambers, 9 Bridge Street, Westminster, S.W.

1903. Robinson, Thomas Henry, The Gables, Newbold Road, Chesterfield.

1904. Robus, George Henry, Mansion House Chambers, 20 Bucklersbury, London, E.C. [*Robustness, London. 756 Bank.*]

1899. Rochat, Henri Louis, 3 and 4 Hare Street, Calcutta, India.

1901. Rock, James Parthenay, 43 Westbere Road, West Hampstead, London, N.W.

1898. Rodda, Joseph Tonkin, Water Works Superintendent, 14 Seaside Road, Eastbourne.

1903. Roe, Harrison, The Ropeways Syndicate, 30 St. Mary Axe, London, E.C.

1900. Rofe, William, 8 Victoria Street, Westminster, S.W.

1897. Rogers, William Ivy, Coleridge Chambers, Corporation Street, Birmingham.

1897. Rolf, George, Messrs. Ernest Scott and Mountain, Close Works, Newcastle-on-Tyne; and 8 Bentinck Crescent, Newcastle-on-Tyne.

1903. Rose, Alexander, Manager, Messrs. Howarth Erskine, Ipoh, Perak, Straits Settlements.

1901. Rose, Sydney Durrant, Messrs. Cottrell, Rose and Co., Eddington Iron Works, Hungerford. [*Cottrell, Hungerford.*]

1904. Rosenthal, Frederick Michael Barbanel, Associated Portland Cement Manufacturers (1900), Park House, Gravesend.

1903. Roseveare, Leslie, City Engineer's Office, Council House, Birmingham.

1899. Rosevere, Gerald Rhodes, British Westinghouse Electric and Manufacturing Co., Trafford Park, Manchester.

1900. Rosevere, Reginald George, Locomotive Department, Midland Railway, Derby.

1895. Ross, Ernest Sydney, Chief Inspector of Machinery, Public Offices, Hobart, Tasmania.

1901. Ross, Frederick George, Umballa Cantonment, Punjab, India.

1894. Rossiter, James Thomas, Mobberley, Grove Park Gardens, Chiswick, London, W.

1884. Roux, Paul Louis, 54 Boulevard du Temple, Paris.

1903. Rowcliffe, John Arthur, The Noiseless Gear Co., Levenshulme, Manchester.

1901. Rowe, Frank Lander, Manager, Edwards' Air Pump Syndicate, 3 and 5 Crown Court, Old Broad Street, London, E.C. [*Management, London. Avenue 152.*]

1899. Rowe, John, 1 Dean Villas, Camborne.

1901. Rudder, Frank Percy, 10 Madeley Street, Derby.

1902. Rudolph, Oswald Frederick Hermann Leopold, 68 Victoria Street, Westminster, S.W. [5160 Westminster.]

1896. Ruffle, Frank Felingham, care of Messrs. Ralli Brothers, Calcutta, India.

1902. Rush, Charles Henry Erskine, 74 Clovelly Mansions, Gray's Inn Road, London, W.C.

1901. Rushton, James Lever, Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton.

1901. Rushworth, George William, Messrs. Rushworth Brothers, Crane Works, Colne; and 50 Brown Street, Colne.

1899. Russell, Hubert, Manager, Gas Works, Abergavenny.

1901. Russell, William Russell, Locomotive Department, Great Western Railway, Newton Abbot.

1897. Ruthen, Charles Tamlin, Bank Chambers, Heathfield Street, Swansea.

1897. Rycroft, John Edward, Engineering Department, Technical College, Bradford.

1901. Ryder, George Albert, Messrs. Thomas Ryder and Son, Turner Bridge Iron Works, Tonge, Bolton.

1901. Saccaggio, Pietro Celestino, Sola Works, Ferro Carril del Sud, Buenos Aires, Argentine Republic.

1894. Salis, Henry Rodolph de, Ivy Lodge, Iver Heath, near Uxbridge.

1903. Salter, John Ruffell, Engineer-in-Chief, South Lancashire Tramways, 12 St. John's Lane, Liverpool.

1897. Sanders, George, Messrs. Simon Carves, Monkton Main Collieries, near Barnsley.

1903. Sanders, George Ernest, Electric Light and Cold Storage Co., King William's Town, Cape Colony.

1903. Sanderson, Herbert William, Messrs. Sanderson and Robinson, Mansfield.

1902. Sandford, John, 44 Waterloo Street, Birmingham. [*Opossum, Birmingham.* 2525.]

1896. Sangster, Charles, Works Manager, Cycle Components Manufacturing Co., Bournbrook, Birmingham.

1903. Saunders, Albert Frank, 21 Phillimore Street, Fremantle, Western Australia.

1901. Sawyer, Charles Payne, Messrs. Thomas Turton and Sons, Sheaf Works, Sheffield.

1896. Scanlan, Horace Edward, Beaconsfield, Longfleet, Poole.

1893. Schloesser, Robert, care of Max Gorler, Messrs. Brandeis, Goldschmidt and Co., 60 Queen Street, Melbourne, Victoria.

1903. Schmidt, Frederick Albert, 50 High Street, Tunbridge Wells.

1902. Schontheil, Theodore, 34 Talbot Street, Cardiff.

1900. Schutte, Francis Albert, Semaphore House, Claygate, Esher.

1902. Scott, Henry, care of Messrs. Scott and Brown, P.O. Box 495, Christchurch, New Zealand.

1897. Scott, Newton L., 18 Ironmonger Lane, Cheapside, London, E [8036 Bank.]

1899. Scott, Robert, Manager, Windsorton Diamonds Co., Windsorton, Kimberley, South Africa.

1901. Scott, Thomas, Messrs. Macartney, McElroy and Co., 53 Victoria Street, Westminster, S.W.

1900. Seabrook, Arthur Hugh, Engineer and Manager, Municipal Electricity Works, Barking.

1903. Seavill, Leonard Crowley, Messrs. Topping and Seavill, Rosario de Santa Fé, Argentine Republic.

1899. Secchi, Leopold, Sir W. G. Armstrong, Whitworth and Co., 8 Great George Street, Westminster, S.W.; and 62 Carminia Road, Balham, London, S.W.

1903. Selz, Rudolph, Vauxhall Ironworks Co., Wandsworth Road, London, S.W.

1903. Semark, Charles Henry, Messrs. Semark and Hudson, Faversham Iron Works, Faversham.

1892. Seymour, William Frederick Earl, H.M. Inspector of Factories, 39 Victoria Street, Westminster, S.W.

1901. Shadwell, Lancelot Horace Augustus, Natal Government Harbour Department, Port Natal, South Africa.

1903. Shanan, Charles Henry, 33 Victoria Road, Higher Tranmere, Birkenhead.

1903. Sharr, Francis Joseph, Messrs. Morris and Bastert, Loughborough.

1901. Shaw, George, care of R. L. Caryl Roberts, The Manor House, Cleobury Mortimer, S.O., Salop.

1902. Shaw, John, Messrs. Kerr, Stuart and Co., Stoke-on-Trent; and 3 Ashford Street, Shelton, Stoke-on-Trent.

1900. Shaw, William Campbell, Danesbury, Hinckley Road, Nuneaton.

1903. Shaw, William Wilson, 26 Quarry Road, Wandsworth, London, S.W.

1899. Sheffield, Frederick Gerard, Swiftbrook Mills, Saggart, Dublin.

1901. Sheffield, Thomas William, British Thomson-Houston Co., Trevelyan Buildings, Corporation Street, Manchester. [*Helix, Manchester.* 4160.]

1902. Sheriff, John Edward, 711 Oldham Road, Failsworth, Manchester.

1899. Shiba, Chuzaburo, Engineering College, Imperial University, Tokyo, Japan.

1903. Shiner, Albert Edward, Bleak House Engineering Works, 17 Took's Court, Cursitor Street, London, E.C.

1897. Shirtliff, Frederick, Messrs. Burn and Co., Howrah, Bengal, India.

1904. Shoolbred, Andrew Reid, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.

1903. Simcock, Philip, care of Messrs. Shewan, Tomes and Co., Hong Kong, China.

1902. Simpkin, Frank Henry, Steel Department, Messrs. Charles Cammell and Co., Grimesthorpe, Sheffield.

1900. Simpson, Donald Grafton, Trafalgar Works, Barbados, West Indies.

1900. Simpson, Lightly Stapleton, Great Eastern Railway, Stratford, London, E.

1901. Simpson, Norman De Lisle, Resident Engineer, Bournanston Pumping Station, Water Works Department, Barbados, West Indies.

1898. Simpson, Stephen, Messrs. Willey and Co., James Street Works, Exeter; and Tregear, Exeter.

1901. Simpson, Walter, Manager, English Industrials, 55 Market Street, Manchester. [*Comparison, Manchester.* 3999.]

1899. Sirri, Lieutenant M., Engineering Department, Imperial Naval Arsenal, Constantinople.

1902. Skinner, George, 19 Russell Street, Bolton.

1899. Slingsby, Walter, Mostyn Mount, Ovenden, Halifax.

1902. Smail, Charles George, 8 Wynell Road, Forest Hill, London, S.E.

1903. Smart, Lewis Anderson, Birkbeck Bank Chambers, Holborn, London, E.C.
[*Uncanny, London.* 4982 Holborn.]

1901. Smeeton, John Alfred, care of Arthur Koppel, 27 Clements Lane, London, E.C.

1901. Smith, Adam, Messrs. Bryan Donkin and Clench, Lincoln Works, Chesterfield.

1901. Smith, Alfred, Manager, Messrs. Daniel Smith and Co., Castle Iron Works, Raglan Street, Wolverhampton. [*Presses, Wolverhampton.* 210.]

1902. Smith, Edward Turner, Assistant Locomotive Superintendent, Lagos Government Railway, Lagos, West Africa.

1899. Smith, Francis Sumner, 51 College Court, Hammersmith, London, W.

1903. Smith, Frederick George, Works Manager, Highland Railway, Inverness.

1900. Smith, Frederick Hardeastle, Messrs. Thomas Smith and Sons, Steam and Electric Crane Works, Old Foundry, Rodley, near Leeds. [*Smith, Rodley.* Stanningley 18.]

1899. Smith, Frederick Hugh, Babcock and Wilcox Co., Oriel House, Farringdon Street, London, E.C.

1898. Smith, Herbert William, Works Manager, Messrs. Sydney Smith and Sons, Basford Brass Works, Nottingham; and Gordon Lodge, Easthorpe, Ruddington, Nottingham.

1900. Smith, John Bucknall, 90 Wickham Road, St. John's, London, S.E.

1900. Smith, John Smart, Messrs. S. Pearson and Son, New Dry Docks, H.M. Dockyard, Malta.

1903. Smith, Jonah Walker, Borough Engineer and Surveyor, Town Hall, Barrow-in-Furness.

1891. Smith, Joseph Philip Grace, 46 Uverdale Road, Chelsea, London, S.W.

1900. Smith, Montague Howard, The Bourne Engineering Co., 19 and 21 Queen Victoria Street, London, E.C.

1898. Smith, Thomas John, Cannon Street, Hanley, Staffordshire.

1902. Smith, Walter Tom, Messrs. Thomas Smith and Sons, 9 Victoria Street, Westminster, S.W. [*Accrocher, London.* P.O. 64 Victoria.]

1901. Smyth, John McFall, Borough Electrical Engineer, Municipal Electricity Works, Keighley.

1901. Smyth, William Miller Campbell, British Luxfer Prism Syndicate, 16 Hill Street, Finsbury, London, E.C. [*Luxfer, London.* London Wall 90.]

1903. Somers, Richard Mousley, Messrs. Teale and Somers, Silver Royd Iron Works, Tong Road, Wortley, Leeds. [*Hob, Leeds.* 826.]

1899. Somerville, Frederick Herbert, New College, Hampstead, London, N.W.

1903. Sopwith, John, Resident Engineer, East and West India Docks, London, E.

1902. Soyres, Bernard de, William Mills, Ltd., 80 Queen Victoria Street, London, E.C. [*Millcourse, London.* 5800 Bank.]

1899. Speight, James William, 13 Victoria Street, Westminster, S.W.; and 1 Hollywood Villas, Melrose Road, West Hill, Wandsworth, London, S.W.

1901. Spencer, Arthur Lincolne Hitchcock, Manager, Messrs. W. H. Spencer and Co., Hitchin. [*Engine, Hitchin.* 5.]

1897. Spencer, Henry Wilmot, Ivy Thorn, Station Road, Hendon, London, N.W.

1899. Spencer, Perceval, 5 Albert Terrace, Old Trafford, Manchester.

1901. Spencer, William Edward Spencer Hitchcock, Metropolitan Electric Supply Co., Lincoln's Inn Fields, London, W.C.; and St. Margaret's, Hitchin.

1899. Spiller, Claude, 54 Hanover Road, Plumstead.

1901. Spiller, William Onsild, Lanchester Engine Co., Birmingham.

1903. Sproule, George Huston Russell, Locomotive Department, C.S.A. Railways, Middelburg, Transvaal, South Africa.

1901. Sprunt, Herbert William, Engineer-in-Chief, South London Electric Supply Corporation, Bengeworth Road, Loughborough Junction, London, S.E.

1903. Spurr, Gilbert Richard, Tramways Engineer, Ilford Urban District Council, Tramways Depôt, Ley Street, Ilford.

1900. Squire, George Frederick, Brixton Hill Motor and Engineering Works, 146 Brixton Hill, London, S.W.

1903. Stanger, Reginald Harry Hursthous, Broadway Testing Works, Broadway, Westminster, S.W. [117 West.]

1901. Stanier, William Arthur, Locomotive and Carriage Department, Great Western Railway, Paddington, London, W.

1902. Starley, Richard, 30A Fleet Street, Coventry.

1898. Statham, Frederick Benjamin, 85 West George Street, Glasgow.

1900. Statham, Harry, care of Mrs. Sanderson, Church Street, Stratford, Ontario, Canada.

1902. Stedman, George Percy William, Works Manager, Railway Foundry and Engineering Works, Reading.

1900. Steel, Thomas John, Messrs. Fawcett, Preston and Co., 17 York Street, Liverpool.

1899. Steinmetz, Arthur Samler Bernard, 9 Woburn Road, Bedford.

1902. Stenning, Hugh Walter, Locomotive Superintendent, Soudan Military Railways, Shendy, Soudan, Egypt.

1899. Stephens, Charles Robert, Manager, Messrs. Stephens and Son, Ashfield, Falmouth. [*Stephens, Falmouth.* 10.]

1901. Stephens, Hilliard, 39 Victoria Street, Westminster, S.W. [*Stahlwerk, London.*]

1900. Stephenson, Alfred, 96 Tennyson Place, Otley Road, Bradford.

1899. Stevens, Edwin Charles, Messrs. Archibald Smith and Stevens, Janus Works, Queen's Road, Battersea, London, S.W. [*Hydraulics, London. Battersea 115.*]

1902. Stevenson, John, 29 York Place, Oxford Road, Manchester.

1903. Stevenson, John Le Che, Messrs. Stewart and Lloyd, Coombs Wood Tube Works, Halesowen, Birmingham.

1903. Stewart, Charles, Locomotive Department, Great Northern Railway, King's Cross, London, N.

1902. Stirling, John Alexander Maxwell, Chief Engineer's Office, Great Indian Peninsula Railway, Bombay, India.

1896. Stobart, Henry Gervas, Wolsingham Steel Works, Wolsingham, near Darlington.

1898. Stockton, Cecil, Messrs. Sanderson and Porter, 52 William Street, New York, United States.

1901. Stokes, John Thomas, H.M. Office of Works, Storey's Gate, Westminster, S.W.; and Coningsby, Disraeli Road, Putney, London, S.W.

1901. Stones, William Grimshaw, 10 Richmond Terrace, Blackburn. [171.]

1902. Stow, George, Southdown Road, Shoreham, Sussex.

1901. St. Paul, Clarence, Messrs. St. Paul and Dadina, Graham's Buildings, Bombay, India.

1901. Strathern, Alexander George, Strathern's Weldless Chains, Gartsherrie, N.B.

1900. Strong, Alfred George, Messrs. H. O. Strong and Co., Norfolk Works, St. Paul's, Bristol. [*Omega, Bristol.* 289.]

1901. Stubbs, Herbert, Manual Instruction Department, Higher Grade School, Wolverhampton.

1898. Suffield, Charles Augustus, Hadfield's Steel Foundry Co., East Hecla Works, Tinsley, Sheffield.

1897. Suffield, Frank Wilson, Glen Lyn, Grove Avenue, Moseley, Birmingham.

1901. Summerfield, Richard Dunning, Belmont, Empress Road, Derby.

1902. Sumner, Leonard, Broughton Copper Co., Manchester. [*Copper Co., Manchester.* 638.]

1903. Sunderland, Wallace, Yorkshire Engineering and Fuel Economiser Co., Bridge Street, Morley; and 20 Alexandra Terrace, Ossett Road, Wakefield.

1900. Sutcliffe, Edgar Rouse, Messrs. Sutcliffe, Speakman and Co., Leigh, Lancashire.

1896. Sutherland, James, Manager, Alumina Factory, Larne Harbour, County Antrim, Ireland. [*Aluminium, Larne Harbour.*]

1894. Sutton, Hugh Reginald, Messrs. Mackies, Berks Iron Works, Caversham Road, Reading. [*Mackies, Reading.* 86.]

1901. Swaine, Albert Tom, 6 The Bridge, Frome.

1896. Swallow, John, Messrs. W. Neill and Son, Bold Iron Works, St. Helens Junction, Lancashire. [*Neill, St. Helens.* 20.]

1902. Swan, Edward Montgomery, Consolidated Pneumatic Tool Co., 32 West Bute Street, Cardiff.

1887. Tabor, Edward Henry, Fennes, Braintree.

1893. Takatsuji, Narazo, Superintending Engineer, Calico Weaving Mill, Osaka, Japan.

1895. Takimura, Takeo, General Manager, Osaka Cotton Mill, Osaka, Japan.

1893. Talbot, Frederick William, Engineer and Manager, Water Works, Frimley Green, Farnborough, Hants.

1897. Talbot, William John, Messrs. John Russell and Co., Alma Tube Works, Walsall.

1902. Tarver, Herbert Henry, Messrs. Walker, Sons and Co., Colombo Iron Works, Colombo, Ceylon.

1901. Tatham, James Ernest, care of G.P.O., Sydney, New South Wales.

1902. Tatton, Albert Lightowler, Royal Arsenal, Woolwich; and 57 Hanover Road, Plumstead.

1902. Tatton, Frederick Thomas Joseph, India Office Stores Dépôt, Belvedere Road, Lambeth, London, S.E.

1899. Taverner, Herbert Lacy, 12 Mosley Street, Newcastle-on-Tyne. [*Freezing, Newcastle-on-Tyne.*]

1903. Taylor, Alfred Bertram, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1902. Taylor, Arthur, 99 Fonthill Road, Finsbury Park, London, N.

1897. Taylor, Arthur Joseph, 6 Apsley Crescent, Manningham, Bradford.

1900. Taylor, Charles Percy, Park House, Gravesend.

1902. Taylor, Dudley Foster, The Kynoch Forward Engineering Co., Holford Works, Perry Barr, Birmingham.

1902. Taylor, Ernest Edward, Engineer, Leavesden Asylum, King's Langley, R.S.O., Herts.

1902. Taylor, Frank Coston, Carriage and Wagon Department, Lancashire and Yorkshire Railway, Victoria Station, Manchester; and 4 Delaunay's Road, Crumpsall, Manchester.

1901. Taylor, Tom, Chief Engineer, Messrs. C. Townsend, Hook and Snodland, S.O., Kent; and Millbrook House, Snodland, S.O., Kent.

1902. Taylor, William, Superintending Engineer, Messrs. Swift and Co., 30 Campbell Street, Bootle, Liverpool.

1902. Taylor, William Robert Chetham, 32 Greenhill Road, Middleton Junction, Manchester.

1902. Tennant, James, Superintending Engineer, British Insulated Wire Co., Prescot, Lancashire.

1899. Tennant, William John, Messrs. Boult, Wade and Kilburn, 111 Hatton Garden, London, E.C.

1893. Tenney, Dennis, Messrs. Agar, Cross and Co., 124 Calle Defensa 136, Buenos Aires, Argentine Republic.

1899. Tester, William Andrews, Borough Electrical and Tramways Engineer, Corporation Electricity Works, Lancaster.

1898. Thain, William Arthur, University College, Cardiff.

1901. Thom, Frank, Messrs. Yates and Thom, Canal Foundry, Blackburn.

1901. Thomas, Arthur Lloyd, Market Square Chambers, Pontypridd.

1903. Thomas, Evan Gibson, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1899. Thomas, Hubert Robert, Messrs. Edwin Richards and Sons, Portway Works, Wednesbury.

1900. Thomas, John Frederick Ivor, 35 Kirkstall Road, Streatham Hill, London, S.W.

1899. Thomas, Owen Powell, 25 Lee Terrace, Blackheath, London, S.E.

1901. Thomas, Walter Frederick, 110 Inkerman Street, Vauxhall, Birmingham.

1902. Thompson, Arthur Beeby, 1 Leadenhall Buildings, London, E.C.

1902. Thompson, Edgar Wakelin, Manager, Boyd's Ice Factory, Kalikat Street, Bombay, India.

1901. Thompson, Frederick Wilberforce, Messrs. Kennedy and Jenkin, 17 Victoria Street, Westminster, S.W.; and 62 St. Alban's Avenue, Bedford Park, London, W.

1897. Thompson, Herbert, Messrs. Thompson Brothers, 111 Carver Street, Sheffield.

1902. Thompson, Stephen John, Ettingshall Boiler Works, Wolverhampton.

1896. Thompson, Thomas, 30 Lee Terrace, Blackheath, London, S.E.

1903. Thomson, Alfred Morris, Hozier Engineering Co., Hozier Street, Bridgeton, Glasgow.

1901. Thomson, David Lockerbie, Ponce, Porto Rico.

1894. Thomson, Henry, Engineer, Cawnpore Woollen Mills, Cawnpore, India.

1901. Thomson, James Cunningham, Messrs. Collins and Co., Tientsin, North China.

1893. Thomson, James Watson, Robert Gordon's College, Aberdeen.

1899. Thornycroft, John Edward, Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W. [Thornycroft, London. 7306.]

1901. Thorpe, Wilfred Bertram, Charing Cross and Strand Electricity Supply Corporation, 15 Maiden Lane, Covent Garden, London, W.C.

1903. Thunder, Cyril Joseph, Great Western of Brazil Railway, Pernambuco, Brazil.

1902. Titren, Gerald Ernest de Keyser, Natal Government Railway Works, Durban, Natal.

1893. Tomes, William Jameson, District Locomotive Superintendent, East Indian Railway, Jamalpur, Bengal, India: (or care of Joshua Tomes, Croft House, Clacton-on-Sea.)

1900. Tottle, Edward George, Works Manager, Wicks Rotary Type Casting Co., Willesden Junction, London, N.W. [*Enargite, London.* Harlesden 15.]

1900. Townsend, William, Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W.

1896. Trafford, Alfred, General Electric Co., Peel Works, Salford, Manchester.

1903. Tregoning, Wynn Harold, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1901. True, Robert Arthur, Works Manager, Messrs. Barford and Perkins, Queen Street Iron Works, Peterborough.

1899. Trunchion, William Thomas Fawdon, Messrs. Grafton and Co., Vulcan Works, Bedford.

1902. Tubbs, William Edward, King William's College, Castletown, Isle of Man.

1902. Tunley, Percy James, Messrs. Johnson and Phillips, Old Charlton, Kent.

1902. Turner, Douglas, 144 Cambridge Drive, Kelvinside, Glasgow.

1900. Turner, Frederick William, Messrs. E. R. and F. Turner, St. Peter's Iron Works, Ipswich. [*Gippeswyk, Ipswich.*]

1893. Turner, Henry Arthur, care of Arthur Koppel, 27 Clement's Lane, London, E.C.

1903. Turner, John Alexander, Manager, Gildenburgh Brick Co., Whittlesea, Peterborough. [*Bricks, Peterborough.* 24.]

1900. Turner, William, Messrs. Davidson and Co., 115 Hope Street, Glasgow.

1904. Turner, William Wallace, Electrical Engineer's Department, New South Wales Government Railways, Sydney, New South Wales.

1902. Turpin, William Alfred, Works Manager, Messrs. Panhard and Levassor, Kimberley Road, Willesden Lane, Edgware Road, London, N.W.

1903. Tweedie, Kenneth Digby, care of Messrs. A. F. and R. W. Tweedie, 5 Lincoln's Inn Fields, London, W.C.

1901. Unwin, Maurice Everett, Messrs. John Brown and Co., Sheffield.

1902. Urie, James Barclay, Engine Boiler and Employers' Liability Insurance Co., 12 King Street, Manchester.

1901. Urmston, Peter, Danelova Manufactur, Moscow, Russia.

1898. Urquhart, Ridley James, 57 Barton Arcade, Manchester. [*Kinetic, Manchester.*]

1903. Usherwood, Thomas Scriven, St. Dunstan's College, Catford, London, S.E.

1900. Venning, Albert John, Engineer Sub-Lieut. R.N., St. Feock, Devoran, R.S.O., Cornwall.

1900. Venning, Thomas Arnold, Engineer Sub-Lieut. R.N., St. Feock, Devoran, R.S.O., Cornwall.

1902. Vernon, Horace, 402 Great Cheetham Street East, Higher Broughton, Manchester.

1896. Vernon, William Harry, Messrs. E. Green and Son, Wakefield.

1892. Vezey, Albert Edward, 682 Rotherhithe Street, London, S.E.

1900. Vigers, George Alexander, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1901. Visick, Charles, Works Manager, Messrs. W. Visick and Sons, Basset Works, Devoran, Cornwall.

1902. Wade, Francis Richard, Beeston, Frederick Road, Stechford, Birmingham.

1901. Walford, Frederick, Behar School of Engineering, Bankipur, India.

1901. Walkem, George Alexander, Manager, Vancouver Engineering Works, Vancouver, British Columbia.

1901. Walker, Alfred, Municipal Technical Institute, Romford Road, West Ham, London, E.

1903. Walker, Arthur [Ernest, Messrs. Walker Brothers, 36 Basinghall Street, London, E.C.

1901. Walker, Robert, [Messrs. John Musgrave and Sons, Globe Iron Works, Bolton.

1901. Walker, Robert Hugh, Manager, Neuchatel Asphalte Co., Travers, Neuchatel, Switzerland.

1899. Walker, William Peto, Vacuum Brake Co., 32 Queen Victoria Street, London, E.C.

1904. Wallace, Cecil Percy, care of Messrs. John Birch and Co., 3 London Wall Buildings, London, E.C.

1901. Waller, William, 28 to 32 Vauxhall Walk, London, S.E. [*Stampings, London. Hop 1423.*]

1901. Walsh, Thomas, 33 Glen Eldon Road, St. Anne's-on-Sea, R.S.O., Lancashire.

1903. Walton, Denys, The Patent Office, 25 Southampton Buildings, London, W.C.

1897. Ward, John Cecil, 52 Queen Victoria Street, London, E.C. [*Allentare, London. Bank 657.*]

1900. Ward, Joseph Philip, Survey Department, General Mining and Finance Corporation, Johannesburg, Transvaal, South Africa.

1900. Warden-Stevens, Frederic J., 34 Victoria Street, Westminster, S.W.

1901. Wardle, Frank Harold, Electricity Department, Nottingham Corporation, Talbot Street, Nottingham.

1903. Warner, Harold Metford, Messrs. Maw, Dredge and Hollingsworth, 35-36 Bedford Street, Strand, London, W.C.

1903. Warner, James Sutherland, Glen Deep, Disraeli Road, Forest Gate, London, E.

1892. Warton, Richard George Frank, Kopje Post Office, Salisbury, Rhodesia, South Africa: (or care of C. H. Gardiner, 24 Grosvenor Terrace, York.)

1902. Warwick, Walter, Jacob Sassoon Mill, Parel, Bombay, India.

1895. Wasdell, Abel, Superintendent, Water Works, Allahabad, India.

1894. Wasdell, Thomas, Brasshouse Passage, Broad Street, Birmingham.

1903. Watson, George William, Thornycroft Steam Wagon Co., Chiswick, London, W.

1902. Watson, Herbert Edward, 12c Vera Road, Fulham, London, S.W.

1902. Watson, John Craig, Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg; Transvaal, South Africa.

1900. Watson, Richard, Charing Cross and Strand Electricity Supply Corporation, 85 Commercial Road, Lambeth, London, S.E.

1904. Watts, William John Thomas, Works Manager, Messrs. R. Moreland and Son, 25 and 27 Old Street, London, E.C.

1898. Waugh, Hylton Norman Drake, Locomotive Department, London Brighton and South Coast Railway, Brighton.

1897. Waynfirth, Harry Morton, Assistant Professor of Engineering, King's College, Strand, London, W.C.

1902. Wayte, James Benjamin, Messrs. Wayte Brothers, 12 Lemon Street, Dublin. [1187.]

1901. Weaver, Henry James, Borough and Waterworks Engineer, Town Hall, King's Lynn.

1901. Webb, John Frederick, 20 Louvaine Road, St. John's Hill, Clapham Junction, London, S.W.

1900. Wellington, John Morecraft, 3 Hemberton Road, Clapham, London, S.W.

1903. Wells, Joseph Malcolm, London Hydraulic Power Co., Palace Chambers, 9 Bridge Street, Westminster, S.W.

1893. Wells, Sidney Herbert, Principal, Battersea Polytechnic Institute, Battersea, London, S.W.

1899. West, Haarlem Ethneen, Snowshoe Mine, Libby, Montana, United States.

1902. West, William Pownoll, Mina Demetrio, Alcaracejos, Provincia de Cordoba, Spain.

1902. Western, Hugh (*Life Associate Member*), Egyptian State Railway, Cairo, Egypt.

1903. Westley, Charles Barnard, Messrs. Brazil, Holborow and Straker, Vulcan Iron Works, Bristol.

1899. Weston, George Cambridge, Kensington and Knightsbridge Electric Lighting Co., Albert Vaults, Prince Consort Road, South Kensington, London, S.W.

1902. Weston, William Newton, Messrs. Robert Dawson and Co., Hartley Works, Stalybridge.

1902. Wetherell, Raymond Edward Cordeux, Engineer's Department, London County Council, Spring Gardens, London, S.W.; and 37 Cranfield Road, Brockley, London, S.E.

1897. Whale, Ralph Abrahams, Abbeyfield Road, Pitsmoor, Sheffield.

1902. Wheater, Ernest John, Messrs. W. Summerscales and Sons, Phoenix Works, Keighley.

1899. Wheeler, Oswald, Messrs. F. Hattersley Pickard and Co., 15 King Street, Leeds.

1902. Whichello, Richard Edward, Messrs. Martin and Co., Jackson House, Calcutta, India.

1900. White, Daniel Hubert, London United Tramways, 88 High Road, Chiswick, London, W.; and 3 Wilton Villas, Chiswick Lane, London, W.

1899. Whitehead, James Peter, Messrs. Whitehead, Sumner, Harker and Co., 196 Deansgate, Manchester.

1892. Whitehead, Richard David, Municipal Technical College, Green Hill, Derby.

1899. Whitehouse, Alfred, Works Manager, New Rapid Cycle Co., Pope Street, Birmingham.

1902. Whitelock, William Henry, 3 Holland Road, Mutley, Plymouth.

1903. Widdicombe, Robert Alexander, Kroeschell Brothers Co., 55 Erie Street, Chicago, Ill., United States; and 1651 Roscoe Street, Chicago, Ill., United States.

1903. Widdowson, Ernest Leedham, Messrs. Drakes, Ovenden, Halifax.

1898. Wigglesworth, Frank, Messrs. Frank Wigglesworth and Co., Clutch Works, Moss Street, Bradford.

1903. Wigram, Walter Gott, Messrs. John Fowler and Co., Steam Plough Works, Leeds.

1895. Wild, Adamson George, care of W. S. Laycock, Victoria Street Works, Sheffield.

1903. Wilding, James Armstrong, Messrs. J. A. Wilding and Co., 3 Wilson Street, Drury Lane, London, W.C. [*Effacing, London.* 4633 Gerrard.]

1902. Wile, Julius Isaac, Messrs. Fraser and Chalmers, 3 London Wall Buildings, London, E.C.

1902. Wilkinson, Francis Alan, Electrical Engineer, Walthamstow Electricity Supply Works, Priory Avenue, Walthamstow, London, N.E.

1903. Wilkiuson, Frank, Engineer's Department, Town Hall, Rochdale.

1903. Wilcock, John, Dial Foundry, Buckfastleigh, R.S.O., Devon. [*Wilcock,* *Buckfastleigh.*]

1892. Williams, Arthur Edward, Farringdon Works, Shoe Lane, London, E.C.

1900. Williams, Charles Edward, Messrs. Robert Stephenson and Co., Locomotive Works, Darlington.

1902. Williams, Charles John, 8 Grosvenor Road, Handsworth, Birmingham.

1901. Williams, David Thomas, American Locomotive Co., 25 Broad Street, New York, United States.

1903. Williams, Ernest Thomas, Electricity Works, Gibraltar.

1899. Williams, Hal, 60 Queen Victoria Street, London, E.C. [*Kawaka,* *London.* 3333 Central.]

1899. Williams, John Ellacott, Metropolitan Electric Supply Co., Acton Lane, Willesden, London, N.W.; and Linacre, 37 Burgoine Road, Harringay, London, N.

1903. Williams, John Robert, Tramway Power Station, Kelham Island, Sheffield.

1900. Williams, Walter Doel, 67 Derby Road, Chesterfield.

1899. Williamson, Edward, Messrs. Manlove, Alliott and Co., 41-42 Parliament Street, Westminster, S.W. [*Manloves, London.* 3405 Gerrard.]

1900. Willis, Edward, Willesden District Council, Public Offices, Dyne Road, Kilburn, London, N.W.

1902. Willis, George, Messrs. Willis and Son, High Street, Eton, Windsor; and 'Nhlazatje, Montem Road, Slough. [*Willis, Eton, Windsor.* 3 Windsor.]

1903. Willsteed, Charles Wesley, R.N., H.M.S. "Bellerophon," Devonport.

1890. Wilson, Alexander Cowan, care of L. P. Nott, 17 Priory Street, Birkenhead.

1903. Wilson, Charles Augustus, 36 Bauk Street, Hillhead, Glasgow.

1898. Wilson, Daniel Ellis, 43 Wostenholm Road, Sheffield.

1903. Wilson, Frank, Messrs. Mosers, 178 Borough High Street, London, S.E.

1898. Wilson, John Charles, Messrs. Guest and Chrimes, Rotherham; and Foston House, Doncaster Road, Rotherham.

1902. Wilson, Leonard Herbert, Public Works Department, Government Buildings, Pretoria, Transvaal, South Africa.

1903. Wilson, Orin Salathial, Manager, Messrs. Fairbanks, Morse and Co., 126 Southwark Street, London, S.E.

1901. Wilson, Richard Dawes, 2 Ennerdale Road, Kew Gardens, Surrey.

1903. Wilson, Robert James, Babcock and Wilcox Co., Oriel House, Farringdon Street, London, E.C.

1902. Winch, Apsley Brooke, Morden Grange, Blackheath, London, S.E.

1903. Windsor, Arthur Whalesby, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.

1902. Winebloom, Albert Victor, 84 Savernake Road, Hampstead, London, N.W.

1902. Wingate-Saul, Arthur Wingate, Messrs. Yates and Thom, Canal Foundry, Blackburn.

1900. Winlaw, William Willoughby, General Post Office, Sydney, New South Wales.

1901. Winstanley, Frank Atherton, Chief Engineer, Rotherham Corporation, Frederick Street, Rotherham.

1903. Wintour, Ernest Richard, Lambeth Water Works, Brixton Hill, London, S.W.

1902. Wolff, Charles, General Manager, Messrs. Power's and Deane, Ransome's Ltd., Plymouth Wharf, Cubitt Town, London, E.

1903. Wolstenholme, Walter, Messrs. John Musgrave and Sons, 8 New Club Buildings, Main Street, Johannesburg, Transvaal, South Africa.

1900. Wood, Charles, 1 Bismarck Road, Highgate, London, N.

1903. Wood, Samuel, Hadfield's Steel Foundry Co., East Hecla Works, Tinsley, Sheffield.

1900. Wood, William Howorth, Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg, Transvaal, South Africa.

1902. Woodeson, William Armstrong, Messrs. Clarke, Chapman and Co., Gateshead.

1901. Woodger, Peter Bisset, Messrs. S. Pearson and Son, Queen's Branch Docks, Liverpool.

1900. Woodhouse, William Bradley, Yorkshire Electric Power Co., Central Bank Chambers, Infirmary Street, Leeds.

1903. Woods, Harry, Kalline Tea Estate, Kalain P.O., Cachar, India.

1903. Wornum, John Ruskin, Otto Trechmann Ltd., Cement Works, Hartlepool.

1897. Worsley, Philip John, Jun., Messrs. Nettlefolds, Smethwick, Birmingham.

1895. Wort, Walter Edward, Messrs. Wort and Beadle, Arctic Chambers, Cowes. [Consult, Cowes. 0473A.]

1900. Wright, Ernest, The Willows, Harlesden, London, N.W.

1901. Wright, Frank, Works Department, H.M. Dockyard, Malta : (or 19 St. Charles Square, North Kensington, London, W.)

1903. Wright, George Alfred, 14 The Avenue, Erith, S.O., Kent.

1889. Wright, Howard Theophilus, The Maxim Works, Gillingham Street, Westminster, S.W.

1900. Wright, Isaac Henry, Technical Institute, Keighley ; and 76 Spencer Street, Keighley.

1900. Wright, Richard Oliver, Henley's Telegraph Works, North Woolwich, London, E.

1898. Wrinch, Hugh Edward Hart, Engineer's Office, Chelsea Water Works, Surbiton.

1900. Wyld, William, Borough Electrical Engineer, Corporation Electricity Works, Grey Friars Road, Doncaster.

1901. Yardley, William Henry, Messrs. Princeps and Co., Princeps Works, Matilda Street, Sheffield.

1903. Yates, Donald Russell Martin, Balderton, Newark.

1899. Yeames, James Lamb, Messrs. Workman, Yeames and Co., Ravenhill Avenue, Belfast.

1902. Yerbury, Harry Edward, Town Hall, Sheffield.

1903. Young, George Albert, Thames Iron Works, Shipbuilding and Engineering Co., Canning Town, London, E.

1899. Young, Henry John, Messrs. H. Young and Co., Nine Elms Iron Works, London, S.W.

1900. Young, Henry Wilson, 12 Camomile Street, London, E.C.

1901. Young, Horatio Edwin, Messrs. William Whiteley and Sons, Prospect Iron Works, Huddersfield ; and 89 Lockwood Road, Huddersfield.

1899. Young, William, Engineer, London County Asylum, Sutton, Surrey.

ASSOCIATES.

1900. Allen, Clarence Edgar, Gwydir Chambers, 104 High Holborn, London,
W.C.

1880. Allen, William Edgar, Imperial Steel Works, Tinsley, Sheffield.

1881. Barcroft, Henry, Howth House, Howth, R.S.O., Co. Dublin.

1889. Barr, John, The Glenfield Engineering Works, Kilmarnock.

1898. Beanland, Fred, Messrs. Beanland, Perkin and Co., Leeds; and Bega,
Harrogate.

1886. Bennison, William Clyburn, Messrs. Samuel Osborn and Co., Clyde Steel
and Iron Works, Sheffield; and 12 Mayfield Road, Kersal, Manchester.

1892. Bowman, Frederic Hungerford, D.Sc., F.R.S.E., Spinningfield, Deansgate,
Manchester.

1898. Brown, Ernest Frederick, Manager, Messrs. William Sugg and Co.,
Vincent Works, Regency Street, Westminster, S.W. [*Sugg, London*
Westminster 169.]; and John's Avenue, Hendon, London, N.W.

1888. Brown, Harold, Messrs. Linklater, Hackwood, Addison and Brown, 2 Bond
Court, Walbrook, London, E.C.

1889. Castle, Frederick George, East London Technical College, People's
Palace, Mile End Road, London, E.

1889. Chamberlain, John George, Messrs. Joseph Wright and Co., Neptune
Forge, Tipton.

1902. Chandabhoy, Shapoorjee Nusserwanjee, Apollo Street, Fort, Bombay,
India.

1888. Chrimes, Charles Edward, Messrs. Guest and Chrimes, Brass Works,
Rotherham.

1890. Chubb, Richard, Messrs. Gillison and Chadwick, 10 Tower Buildings,
Liverpool.

1892. Davis, George Brown, Westminster Sanitary Works, Prince's Mews, Prince's Street, Westminster, S.W.

1895. Docker, Frank Dudley, Messrs. Docker Brothers, Birmingham Varnish Works, Icknield Port Road, Birmingham [*Japan, Birmingham. 3522.*]; and The Gables, Kenilworth.

1899. Douglas, Loudon McQueen, Baltic Wharf Engineering Works, Putney, London, S.W. [*Fluoroids, London.*]

1898. Dowlen, Walton Edward, Salisbury House, London Wall, London, E.C.

1900. Feather, Robert, Craven Bank Chambers, Bradford.

1891. Foster, George, Hecla Foundry Steel Works, Sheffield; and Lyme Villa, Rotherham.

1889. Golby, Frederick William, 36 Chancery Lane, London, W.C.

1900. Goodrich, Walter Francis, Messrs. Meldrum Brothers, 66 Victoria Street, Westminster, S.W.

1902. Grierson, Henry Forster, York House, Norfolk Street, Strand, London, W.C.

1887. Hind, Enoch, Edgar Rise, Nottingham.

1898. Howard, Charles, 65 Perrymead Street, Fulham, London, S.W.

1891. Jackman, Joseph, Persberg Steel Works, Pothouse Road, Attercliffe, Sheffield. [*Persberg, Sheffield. 94.*]

1884. Jackson, Edward, Midland Railway-Carriage and Wagon Works, Birmingham. [*Wagon, Birmingham.*]

1897. James, Albert Alfred, St. George's Works, Paradise Street, West Bromwich. [*James, Wireworks, West Bromwich. 5014.*]

1896. Kennan, Williams Thomas, Messrs. Kennan and Sons, Fishamble Street, Dublin. [*Kennans, Dublin.*]

1897. Kenway, William Edward, Messrs. A. B. Bowden and Co., 17 Burlington Chambers, New Street, Birmingham.

1896. King, Benjamin Thomas, 165 Queen Victoria Street, London, E.C. [*Geologic, London. 682 Central.*]

1898. Leechman, George Douglas, 18 Hertford Street, Coventry.

1896. Lemkes, Carl Rudolf Lewin, Messrs. Schäffer and Budenberg,
5 Wellington Street, Glasgow. [*Injector, Glasgow.* Royal 3119.]

1900. Leonard, Robert Maynard, 19 Ludgate Hill, London, E.C.

1895. MacBrayne, Laurence, 119 Hope Street, Glasgow.

1886. Mackenzie, Keith Ronald, Vectis, Bembridge, Isle of Wight.

1898. Marshall, Percival, 26-29 Poppins Court, Fleet Street, London, E.C.

1868. Matthews, Thomas Bright, Messrs. Turton Brothers and Matthews,
Phoenix Steel Works, Sheffield. [*Matthews, Sheffield.*]

1901. Mayhew, Mark James, 112 Church Road, Battersea, London, S.W.

1889. McKinnel, William, 234a Nithsdale Road, Pollokshields, Glasgow.

1901. Mecredy, James, Wynberg, Blackrock, Dublin.

1890. Meggitt, Samuel Newton, Messrs. Ibbotson Brothers and Co., Globe Steel
Works, Sheffield.

1898. Meintjes, Laurens Schmitz, P.O. Box 148, Cape Town, Cape Colony.

1902. Noyes, Edward, 109 Pitt Street, Sydney, New South Wales.

1900. Page, Davidge, Clun House, Surrey Street, Strand, London, W.C.; and
Hotel Russell, Russell Square, London, W.C.

1874. Paget, Berkeley, Low Moor Iron Office, 2 Laurence Pountney Hill,
Cannon Street, London, E.C. [*Gryphon, London.*]

1886. Peacock, William J. P., Wells Street, Oxford Street, London, W.; and 41
St. James' Street, London, S.W.

1888. Peake, Robert Cecil, Cumberland House, Redbourn, near St. Albans.

1887. Peech, Henry, Phoenix Bessemer Steel Works, near Sheffield; and
49 Victoria Street, Westminster, S.W.

1887. Peech, William Henry, Phoenix Bessemer Steel Works, near Sheffield; and
Fernbank, Roehampton Park, London, S.W.

1884. Phillips, Richard Morgan (*Life Associate*), care of J. Griffin, 6 Algiers
Road, Ladywell, London, S.E.

1891. Plant, George, Moseley Road School, Birmingham.

1897. Prior, James D., Eagle Range and Foundry Co., Catherine Street, Aston,
Birmingham [*Ranges, Birmingham.* 2558.]; and Penlee, Chantry
Road, Moseley, Birmingham.

1892. Reed, Ernest Charles, Raamsdonk, Holland.

1891. Rowcliffe, William Charles, 1 Bedford Row, London, W.C.

1899. Sachs, Edwin Otho, 3 Waterloo Place, Pall Mall, London, S.W.

1900. Salomons, Sir David Lionel Goldsmid-Stern, Bart., Broomhill, Tunbridge Wells; and 49 Grosvenor Street, London, W.

1887. Scott, Walter, Victoria Chambers, Grainger Street West, Newcastle-on-Tyne. [*Contractor, Newcastle-on-Tyne.*]

1893. Simpson, Edward Percy, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1891. Spence, Francis Henry, Bonanza Co., P.O. Box 1338, Johannesburg, Transvaal, South Africa.

1897. Starley, William, Queen Victoria Road, Coventry. [*Salvo, Coventry.* 72.]

1892. Stead, John Edward, F.R.S., 11 Queen's Terrace, Middlesbrough. [*Stead, Middlesbrough.*]

1896. Taylor, Joseph Henry, 9 and 11 Fenchurch Avenue, London, E.C. [*Tyne, London. Avenue 4108.*]

1887. Tozer, Edward Sanderson, Phoenix Bessemer Steel Works, near Sheffield.

1893. Wadham, Arthur, Wardrobe Chambers, 148A Queen Victoria Street, London, E.C. [*Wadham, London.*]

1897. Wallach, Lewis Charles, 57 Gracechurch Street, London, E.C. [*Hammerman, London.*]

1898. Warner, Ashby William, Norton, Stockton-on-Tees.

1899. Waterlow, David Sydney, The Hollies, Hornsey Lane, Highgate, London, N.

1888. Williamson, Robert S., Cannock and Rugeley Collieries, Halesowen, near Stafford.

1891. Wiseman, Edmund, Messrs. Edmund Wiseman and Co., Silver Street, Luton; and Uplands, London Road, Luton. [*Wiseman, Luton.*]

1897. Wood, William Alfred, Messrs. Wood and Newland, 42 Spring Gardens, Manchester. [*Certificate, Manchester.*]

1899. Young, John Drummond, Managing Director, Scottish Boiler Insurance Co., 111 Union Street, Glasgow. [*Inspector, Glasgow.* 1271.]

GRADUATES.

1903. Adam, Benjamin, Jun., North Eastern Railway, Dock Engineer's Department, Dock Office, Hull.

1902. Adams, William John, 42 Leigh Road, Highbury, London, N.

1885. Addis, Frederick Henry, Bandikui, Rajputana, India: (or care of Messrs. Grindlay and Co., 55 Parliament Street, London, S.W.)

1903. Aldridge, Lionel Shuttlewood, Albion House, Sutton Street, Aston, Birmingham.

1902. Allensby, Charles Reed, Messrs. Benham and Sons, Wigmore Street, London, W.

1900. Appleby, Thomas Darby Haslam, 395 Harrow Road, Maida Hill, London, W.

1903. Aston, Reginald Godfrey, Messrs. Bagnall, Castle Engine Works, Stafford.

1897. Atherton, Percy William, Marden, Devizes.

1902. Atkinson, Reginald Charles, Lyndhurst, Kennet Road, Newbury.

1890. Aubin, Percy Adrian, 29 St. James' Street, St. Helier's, Jersey.

1902. Bacon, Ernest Leslie, Chester Road, Whitchurch, Salop.

1903. Baker, Arthur, 20 Mirabel Road, Dawes Road, Fulham, London, S.W.

1902. Baker, Edward, Brinsworth Iron Works, Rotherham.

1901. Barnwell, Elliott Arthur, 10 Nicosia Road, Wandsworth Common, London, S.W.

1889. Barrow, Arthur Robert Maclean, Sidney, British Columbia: (or care of Mrs. Barrow, Holly Grove, Fittleworth, Pulborough.)

1901. Barrs, Edward, South Wales Electric Power Co., Cwmbran, Mon.

1902. Barry, Lawrence Cater, 4 Granville Park, Blackheath, London, S.E.

1902. Barton, Geoffrey Berkley, Locomotive Department, Southern Mahratta Railway, Hotgi, Deccan, India.

1902. Bate, Ernest Montagu, Council Offices, Frinton-on-Sea, Essex.

1903. Bates, Herbert Henry, 116 Lea Street, Kidderminster.

1900. Bazin, John Ralph, Great Northern Railway Works, Doncaster.

1903. Beale, Samuel Richard, 32 Holland Park, London, W.

1901. Beckett, Joseph Edge, Tapton House, Sheffield.

1903. Beeching, Frank William, Kynoch, Ltd., Gas Engine Department, Holford Mills, Perry Barr, Birmingham.

1884. Bell, Robert Arthur, 106 Worple Road, Wimbledon.

1902. Bennett, Francis Edgar, Messrs. Bennett, Sons and Shears, 167 Kingsland Road, London, N.E.

1902. Bennett, Henry Benjamin, 96 Meldon Terrace, Heaton, Newcastle-on-Tyne.

1901. Bennett-Powell, Percival Gordon, Normanhyrst, Harlesden, London, N.W.

1902. Bexon, Ralph Amos, Ebenezer House, Basford, Nottingham.

1902. Billinton, Percy Robert, 3 Bulganak Road, Thornton Heath, Surrey.

1903. Blackmore, William Robert, 35 Charter Street, Accrington.

1902. Bland, John William, 27 Butler Street, Otley Road, Bradford.

1900. Boreham, George Henry, Chelsea Electricity Supply Co., 12 Alpha Place, Flood Street, Chelsea, London, S.W.

1902. Boult, Eric Francis, Messrs. Boult and Bradley, 111 Hatton Garden, London, E.C.

1900. Boulton, Charles Valentine, 17 Wandle Road, Upper Tooting, London, S.W.

1901. Bowen, Charles William, 13 Hyde Gardens, Eastbourne.

1901. Bowman, Harold Edelsten, Messrs. Stevenson and Co., Canal Foundry, Preston.

1899. Bradley, Cecil Gustav, Town Hall, Barrow-in-Furness.

1903. Brand, William Deane, Messrs. John Mowlem and Co., Victoria Station Improvements, London, S.W.

1887. Bremner, Bruce Laing, Assistant Locomotive Superintendent, Uganda Railway, Mombasa: (or care of Mrs. Bremner, Streatham, Canaan Lane, Edinburgh.)

1902. Brewster, Harold John, Messrs. Reavell and Co., Ipswich.

1903. Britton, Lieut. Edwin John James, A.O.D., Inspector of Ordnance Machinery, Ordnance Offices, Gibraltar.

1903. Brock, Denis Tabor, Kenmare Cottage, St. Mary's Road, Ealing, London, W.

1900. Broughton, Harold, 69 Edburton Avenue, Brighton.

1890. Brousson, Robert Percy, Great Northern and City Railway Contract, Poole Street, New North Road, London, N.

1898. Bruce, John George, 57 Pratt Street, Camden Town, London, N.W.

1902. Brunton, John Evelyn Cardet, Messrs. George Brunton and Son, Cochin, Malabar Coast, India.

1903. Bulkeley, George Vicary Owen, Drawing Office, Great Western Railway Works, Wolverhampton.

1901. Bulleid, Oliver Vaughan Pugh, 18 Richardson Terrace, Hexthorpe, Doncaster.

1903. Burdock, Arthur, Milford, Godalming.

1903. Burge, Rodon Ludford, 29 Milton Road, Swindon.

1903. Burrell, Charles William Wilberforce, Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford.

1901. Burton, Charles Kingsley, Glenholme, Shipley, Yorks.

1900. Calvi, Alberto Ulisse, Cairo, Egypt.

1902. Camargo, John Antonio da Rocha, Messrs. Ramiro Leão and Co., 83 Chiado 93, Lisbon, Portugal.

1903. Campbell, Charles Graham, Messrs. James Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1903. Carr-Gomm, Mark Culling, 11 Campden House Chambers, Kensington, London, W.

1902. Carrick, Joseph Ernest Cecil, 163 Coatsworth Road, Gateshead.

1890. Carthew-Wright, William, Dulce Domum, School Street, Charters Towers, Queensland.

1891. Caswell, Charles Henry, 75 Mount Pleasant, Barrow-in-Furness.

1902. Chabot, Vincent Howard, Osborne House, Selhurst, London, S.E.

1902. Chambers, Edward Haward, Works Manager, Messrs. Bullers, Tipton.

1902. Chatfield, Kyrle Rudston, Messrs. Strickland and Co., Teddington, S.O., Middlesex.

1903. Cheeseman, Alfred Bryson East, 109 Gordon Road, Stroud, Rochester.

1903. Chowdry, Krishna Chandrah Roy, care of Messrs. W. Hutchinson and Co., Trafalgar Buildings, Northumberland Avenue, London, W.C.

1900. Chubb, Harry Emory, Burlingham, Chislehurst.

1902. Chyn, care of Chow Phya Surawongse, Klong Ban Somdet, Bangkok, Siam.

1900. Clapham, Thomas Alborn, Messrs. Clapham Brothers, Wellington Foundry, Keighley.

1902. Clark, Robert George, 103 Connaught Road, Cardiff.

1902. Clarke, Athol Wilfrid, Hazelmere, City Road, Birmingham.

1901. Cliff, Thomas Percy Barlow, Admiralty, 21 Northumberland Avenue, London, W.C.

1902. Clifford, Arthur Campbell, 6 Cranley Gardens, South Kensington, London, S.W.

1903. Cobbald, Thomas Ernest, Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford.

1892. Collingridge, Harvey, Messrs. S. Pearson and Son, Blackwall Tunnel Works, East Greenwich, London, S.E.; and 73 Grove Road, Wanstead, London, N.E.

1889. Cook, George Norcliffe, Messrs. Thomas Firth and Sons, Norfolk Works, Sheffield.

1903. Cook, John, Moss Terrace, Winnington, Northwich.

1900. Cooke, Stanley Walter, R.N., H.M.S. "Anson," Home Fleet.

1901. Cooper, George Seton Halcott, Mount Pleasant, East Dereham.

1902. Cooper, Jasper Edwin, 66 Comerford Road, Brockley, London, S.E.

1899. Cotton, George Burchell, Corporation Waterworks Offices, 67 Long Street, Cape Town, Cape Colony.

1902. Cox, Lionel Maidstone Russell, 9 North Road, Clayton, Manchester.

1900. Creswell, Francis Samuel, Engineer's Office, Great Western Railway, Paddington, London, W.

1901. Croft, Frank, Messrs. Croft and Perkins, Bradford.

1903. Cross, William Mark, 104 Coronation Road, Southville, Bristol.

1903. Cutler, George Benjamin, Jun., Messrs. Samuel Cutler and Sons, Providence Iron Works, Millwall, London, E.

1903. Davies, Cyril Ernest, 17 Waldeck Avenue, Bedford.

1900. Davies, Edward Ayerst, 124 Croydon Road, Anerley, London, S.E.

1903. Davis, Frank, Locomotive Department, Great Northern Railway, Doncaster.

1901. Davson, Cyril Were, 42 Lansdowne Crescent, Notting Hill, London, W.

1903. Dempsey, Gerald, Messrs. Urquhart, Lindsay and Co., Blackness Foundry, Dundee.

1902. Devin, Ernest Hurley, Messrs. C. Richardson and Co., 65 Imperial Buildings, Ludgate Circus, London, E.C.

1898. Dickinson, John Gilbert, Public Offices, Egremont, Cheshire.

1884. Dixon, John, 117 Warton Street, Lytham.

1902. Dodridge, Albert Edwin, 13 Sterndale Road, Hammersmith, London, W.

1902. Dow, Harold Percy, care of T. Ross Burt, Moorgate Station Chambers London, E.C.

1899. Drayton, Theophilus James Bradley, Penwerris, Alexandra Road, Upper Norwood, London, S.E.

1901. Drown, Alfred Ernest, care of Percy Griffith, 54 Parliament Street, Westminster, S.W.

1903. Duff, Philip John, 102 Elliscombe Road, Charlton, Kent.

1891. Duncan, Martin Gordon, Lexden, 63 Elmfield Road, Upper Tooting, London, S.W.

1903. Dunell, Basil, Finsbury Technical College, Leonard Street, City Road, London, E.C.

1900. Edwards, John, Plas Geraint, Llangollen.
1901. Elliott, Alexander Gray, 2 Clarinda, Cave Hill Road, Belfast.
1901. Ellis, Rhodes Herbert, 133 Forth Street, Pollokshields, Glasgow.
1901. Emerson, William Alexandra Ingilby, Locomotive Department, Great Northern Railway, Doncaster.
1897. Emery, James Inman, Messrs. P. Orr and Sons, Mount Road, Madras, India.
1900. Enock, John Kemp, 407 Birkbeck Bank Chambers, Holborn, London, W.C.
1900. Eugster, Oscar, Barnsbury Works, Barnsbury Street, London, N.
1903. Evans, Cyril Austin, Selborne, Byfleet, Weybridge.
1901. Everett, George Eliot, Messrs. S. Pearson and Son, Great Northern and City Extension, Poole Street, New North Road, London, N.
1900. Eyers, Cyril, 98 Nelson Street, Crewe.

1900. Falconer, Edward Alarie, North Wilts Foundry, Devizes.
1903. Farlow, Charles Fitzroy, Messrs. H. Lygoe and Son, 33 Marchmont Street, Russell Square, London, W.C.
1901. Faulkner, Francis Claude, 17 Drayton Gardens, West Brompton, London, S.W.
1902. Fawkes, Rupert Edward Francis, Locomotive Works, Lancashire and Yorkshire Railway, Horwich, near Bolton.
1904. Feeny, Cyril Joseph, 60 Queen Victoria Street, London, E.C.
1903. Ferrier, Samuel Key, Finsbury Technical College, Leonard Street, City Road, London, E.C.
1902. Fife, Frank Gordon, Hill Crest, Little Heath, Potters Bar, S.O., Middlesex.
1904. Fletcher, Donald Corbet, Locomotive Department, Great Northern Railway, Doncaster.
1903. Forsyth, Reginald James, 26 The Crescent, Salford, Manchester.
1903. Foster, Edgar, Housley Villas, Chapeltown, Sheffield.
1902. Foster, Robert John, Lyme Villa, Rotherham.
1902. Fox, Francis Henry Wright, Alyn Bank, Wimbledon.
1902. Francis, Charles John Henry Watson, Park Lawn, Weybridge.
1902. Frankau, George Neuberg, 9 Lancaster Road, Hampstead, London, N.W.
1901. Freeman, Bryn, Ynysmeudwy Tin Plate Co., Ynysmudw, R.S.O., Glam.
1901. Frisby, Archie George, West Yard, Taff Vale Railway Works, Cardiff.
1903. Fry, William Ellerton Ryan, Locomotive Department, C.S.A. Railways, Bloemfontein, Orange River Colony, South Africa.
1902. Funnell, Herbert Nicholas, 54 Aytoun Road, Stockwell, London, S.W.

1899. Gandon, Philip George, Werneth Chambers, 29 Princess Street, Manchester.

1901. Gard, George Richard, West Yard, Taff Vale Railway Works, Cardiff.

1901. Gauvain, William Percival, Messrs. Hathorn, Davey and Co., Sun Foundry, Leeds.

1902. George, Albert James, Lynn Cottage, Dighton Road, Wandsworth, London, S.W.

1898. Gibb, Maurice Sylvester, Mechanical Engineer's Department, North Eastern Railway, Gateshead.

1903. Gibbons, Norman Barrington, 29 Cadogan Place, London, S.W.

1899. Goodall, Francis Harrison, Lucknow Avenue, Nottingham.

1898. Goodbehere, Eric, Messrs. Brooks and Doxey, Union Iron Works, West Gorton, Manchester.

1899. Goodman, Frank Adolphus, City Hydraulic Engineer's Office, Cape Town, Cape Colony.

1901. Gough, Percy Edwin, 26 Arran Street, Roath, Cardiff.

1903. Grant, William, Jun., care of Messrs. McKay and Adam, Prince Albert, Saskatchewan, Canada.

1903. Graves, Lionel Percival, care of W. G. Walker, 47 Victoria Street, Westminster, S.W.

1901. Greenwood, Frederick George, 32 Russell Square, London, W.C.

1902. Gregory, Herbert George, 21 Homefield Road, High Road, Chiswick, London, W.

1903. Griggs, John William, Chelsea Electricity Supply Co., Alpha Place, Chelsea, London, S.W.

1903. Haggard, Percy Lester, 1-18 Essendine Road, Shirland Road, London, W.

1902. Hamilton, Gavin James, Messrs. Wilson Sons and Co., Rio de Janeiro, Brazil.

1902. Hancock, Percy Bolden, Messrs. Matthew T. Shaw and Co., Millwall, London, E.

1901. Harden, George Fredrick St. Clair, 50 Wellington Street, Glasgow.

1903. Harliss, William Lewis, The Gables, Skirbeck, Boston.

1902. Harman, Frederick Berkeley Bruce, 15 Old Heath Road, Colchester.

1904. Harris, Albert Edward, Messrs. Thomas Robinson and Son, 59 Mark Lane, London, E.C.

1902. Harrison, Nigel Sydney Augustine, Wellington House, Norton, Stockton-on-Tees.

1901. Haslam, Sidney Bertram, Highfield, Romilly Road, Cardiff.

1902. Hatfield, Kenneth George Stacy, 10 Tavistock Square, London, W.C.

1902. Hatton, Robert Andrew, 50 Carnarvon Road, Stratford, London, E.

1903. Hawkins, Eustace Fellowes, Locomotive Department, Great Northern Railway, Doncaster.

1902. Hawkins, John Charles, care of William Ingham, Town Hall, Port Elizabeth, Cape Colony.

1901. Hayes, Herbert Charles, Messrs. Rosser and Russell, 22 Charing Cross, London, S.W.

1901. Head, Walter George, 58 Lillieshall Road, Clapham, London, S.W.

1903. Headley, Hallowell, Crown Agents Office, Whitehall Gardens, London, S.W.

1902. Heald, Harry, Hawthorn Cottage, Accrington.

1902. Heard, Frederick George, 36 Connaught Road, Stroud Green, London, N.

1877. Heaton, Arthur, Messrs. Heaton and Dugard, Metal and Wire Works, Shadwell Street, Birmingham. [*Heagard, Birmingham.*]

1901. Herbert, Walter, Messrs. F. J. Hill and Herbert, Leicester Laundry Engineering Co., Great Central Street, Leicester. [*Gearing, Leicester. Nat. Tel. 543.*]

1902. Hess, Adolphus Charles, Avion Tin Mines, Carballino, Prov. de Orense, Spain.

1901. Hibberd, Frederick Charles, Carriage and Wagon Department, Lancashire and Yorkshire Railway, Newton Heath, Manchester.

1903. Hilditch, George Walls, Home Park, Uxbridge Road, Kingston-on-Thames.

1900. Hill, Walter Hereward, Messrs. Howarth, Erskine and Co., Bangkok, Siam.

1903. Hodgson, Herbert Edward, South Western Polytechnic, Manresa Road, Chelsea, London, S.W.

1891. Hodgson, William James, Messrs. Hodgson and Hodgson, Central Chemical Works, Nottingham.

1903. Hodson, Reginald Cecil, care of William Hodson, 7 Finsbury Square, London, E.C.

1887. Hogg, William, Messrs. Gates and Hogg, Barmborough, Doncaster.

1902. Holden, Percy, 93 High Street, Eton, Windsor.

1901. Hollingsworth, Bertram, British Insulated and Helsby Cables, Prescot.

1903. Holmes, George Nelson, Messrs. W. B. Brown and Co., Bankhall, Liverpool.

1903. Holthouse, Charles Srafton, 26 Hillside Gardens, Highgate, London, N.

1898. Homan, Brees van, Messrs. Homan and Rodgers, 17 Gracechurch Street, London, E.C.

1900. Horsfield, Percy Firth, Messrs. J. and J. Horsfield, Vulcan Iron Works, Dewsbury.

1901. Horsnell, Thomas, 79 Farringdon Road, London, E.C.

1889. Hosgood, Thomas Watkin, Eaton Grove, Swansea.
1889. Howard, Geoffrey, Britannia Iron Works, Bedford.
1883. Howard, Harry James, Messrs. Colman's Mustard Mills, Carrow Works, Norwich.
1903. Howard, Percy, 55 Pier Road, Erith, S.O., Kent.
1902. Howell, Thomas Braithwaite, 12 Upper Chorlton Road, Manchester.
1901. Howl, Frederick William, Civil Engineering Department, Thames Iron Works, Tidal Basin, London, E.
1903. Hughes, Arthur Mumford, Messrs. F. A. Hughes and Co., Providence Wharf, East Greenwich, London, S.E.
1891. Hughes, Edward Sinclair Bremner, 69 Thurlow Park Road, West Dulwich, London, S.E.
1903. Hughes, Frederick, Waterworks Engineer's Office, Town Hall, Cardiff.
1900. Hunton, William, St. Cuthberts, Bath.
1901. Hurst, Joseph Henry, The Woodruffs, Coalville, Leicester.
1901. Hussey, Frederick Kinneer Eyre, 56 Prince's Square, London, W.
1902. Hutchinson, Wilfred Leavold, 4 Vanbrugh Park, Blackheath, London, S.E.
1899. Hutchison, Percy, Cromwell, Southchurch Beach, Southend-on-Sea.

1902. Inchley, William, Kent House, Launder Terrace, Grantham.
1902. Ironside, Percy Humphrey, 7 Belmont Grove, Lee, London, S.E.

1902. Jantzen, Paul Hermann Hudden, 6 The Avenue, Hornsey Park, London, N.
1901. Jenkins, Edgar Jackson, Messrs. R. Jenkins and Co., Masboro Boiler Works, Rotherham.
1902. Jepson, George Frederic, Horsehay Company, Horsehay, R.S.O., Shropshire.
1903. Jones, Stinton James, 2 Noble Street, Falcon Square, London, E.C.
1891. Jordan, Frederic William, Messrs. W. Jordan and Sons, 349 Euston Road, London, N.W.

1901. Kelsey, Percy William, 16 Woolwich Road, Belvedere, Kent.
1904. Kendall, Alfred Harold, Messrs. Crabtree and Co., Great Yarmouth.
1902. Kirlew, Richard Leopold, Jun., 33 Hardwick Road, Palmer's Green, London, N.
1903. Knowles, Guy John Fenton, Park Lodge, Albert Gate, Hyde Park, London, S.W.
1903. Knowles, Thornton, 21 Benthal Road, Stoke Newington, London, N.

1902. Laird, Andrew Oswald, Engineer's Office, Millwall Dock, London, E.
1902. Laird, Stanley Morrison, care of Captain J. H. Duckham, R.N., South West India Dock, London, E.
1898. Langdon, Harold Arthur William, Tower Hill, Looe, R.S.O., Cornwall.
1901. Laubach, Philip Alfred, 26 West End Lane, Kilburn, London, N.W.
1900. Lee, Walter, 38 Worple Road, Wimbledon.
1886. Lewis, William Thomas Watkin, Engineer's Office, Bute Docks, Cardiff; and Maplewood, Llandaff, Cardiff.
1902. Licence, Arthur Benjamin Cecil, 43-45 Great Tower Street, London, E.C.
1903. Lidbetter, Charles Frederick, 59 Carleton Road, Tufnell Park, London, N.
1903. Li Foki, 42 Breakspears Road, Brockley, London, S.E.
1902. Lightfoot, Kenneth, Yorkshire College, Leeds.
1903. Lloyd-Parton, Fred, 30 Riches Street, Wolverhampton.
1899. Lowsley, Sydney Evan, Municipal Offices, Harrogate.

1903. Macdonald, Ian, Stirling's Motor Carriages, Granton, Edinburgh.
1903. Macgregor, Alexander John, 117 Victoria Road, Old Charlton, Kent.
1900. Mackessack, Harry, Sir W. G. Armstrong, Whitworth and Co., Elswick Engine Works Drawing Office, Newcastle-on-Tyne.
1903. Malden, Herbert John, 4 Hamilton Terrace, Brighton.
1904. Manisty, Henry Scott, Mount Pleasant, Kingsbury, London, N.W.
1897. Mansfield, Frank, Messrs. Alex. Cowan and Sons, Flinders Lane, Melbourne, Victoria.
1899. Mansfield, Oliver, Messrs. Edwin Mansfield and Sons, Royapuram, Madras, India. [*Mansfield, Madras.*]
1888. Marten, Hubert Bindon, Burcott, Grove Road, Surbiton, Surrey.
1902. Mason, Charles Lyall, Carriage Department, London and North Western Railway, Wolverton, R.S.O., Bucks.
1886. Mattos, Alvaro Gomes de, 98 Rua da Sande, Rio de Janeiro, Brazil: (or care of Messrs. Fry Miers and Co., Suffolk House, 5 Laurence Pountney Hill, London, E.C.)
1902. Maw, Arthur Ernest, 18 Addison Road, Kensington, London, W.
1901. Maw, Thomas Frederick, 18 Addison Road, Kensington, London, W.
1900. McDermott, Hugh, 3 Thurleigh Road, Wandsworth Common, London, S.W.
1901. Merrett, John Alfred, Messrs. Joseph Nathan and Co., Wellington, New Zealand.
1900. Michell, William Henry, Engineer Lieut. R.N., 67 St. Andrew's Road, Southsea, Portsmouth.

1903. Millett, Charles Walter, Grinnell Automatic Sprinkler Co., Queen Anne's Chambers, Westminster, S.W.

1903. Minett, Albert Ernest Sculthorpe, 24 Kensington Crescent, Russell Road, London, W.

1900. Minors, Ernest, City Engineer's Office, Guildhall, Worcester.

1902. Mitchell, William George, Locomotive Department, London and South Western Railway, Nine Elms, London, S.W.

1903. Mobbs, Herbert, Pytchley Autocar Co., Bradshaw Street, Northampton.

1891. Mogg, Henry Hodges, Newbridge Hill, near Bath.

1903. Moore, Francis Charles, care of W. G. Walker, 47 Victoria Street, Westminster, S.W.

1902. Morgan, Henry Frederick Stanley, 13 Milton Road, Swindon.

1902. Morgan, William Henry, Messrs. John Mowlem and Co., Baker Street and Waterloo Railway Depôt, Lambeth Road, London, S.E.

1902. Morris, Cyril Clarke Boville, Locomotive Department, Great Eastern Railway, Ipswich.

1903. Morris, William Edward, Fuller House, Ponders End.

1902. Munyard, Alfred Walford, Eastcombe Terrace, Blackheath, London, S.E.

1900. Murdoch, Alexander Gemmell, Messrs. Richard Moreland and Son, 25-27 Old Street, London, E.C.

1892. Murray, David James, 10 St. Bees Street, C.-on-M., Manchester.

1903. Nesbitt, Edward Arthur, 60 Chancery Lane, London, W.C.

1901. Nevill, Stanley Sharp, 11 St. Mary's Road, Canonbury, London, N.

1903. Newill, George Ernest, 48 Wheeleys Road, Edgbaston, Birmingham.

1901. Newman, Kenneth Charles Horton, The Electric Light Co., Hong Kong, China.

1900. Newton, George Henry, 24 Grafton Street, Preston.

1901. Newton, Percy, The Electric Construction Co., Bushbury, Wolverhampton.

1902. Nicholson, Edward, 39 Mayfield Road, Alexandra Park, Manchester.

1899. Nutter, Harold Norman, Messrs. William Aykroyd and Sons, Oakwood Dye Works, Bradford.

1902. Nutton, Harry, Electrical Department, Borough Road Polytechnic, London, S.E.

1903. Ogg, Easton Lewis, Thames Engineering Works, John Penn Street, Greenwich, London, S.E.

1883. Osborn, William Fawcett, Messrs. Samuel Osborn and Co., Clyde Steel and Iron Works, Sheffield.

1900. Parlby, Valentine, 374 Goldhawk Road, Chiswick, London, W.

1902. Parratt, Herbert Edwin, care of Messrs. Pott, Cassells and Williamson, Motherwell.

1902. Paul, Sydney Frank, Royal College of Science, Exhibition Road, South Kensington, London, S.W.

1901. Peacock, Jesse Butler, Messrs. Wilcox and Raikes, 63 Temple Row, Birmingham.

1901. Peake, Ashley Crosthwaite, 46 Mount View Road, Stroud Green, London, N.

1899. Pearson, Charles Dearne, Station Road, Amersham.

1903. Pellow, James Richards, Locomotive Department, London and South Western Railway, Nine Elms, London, S.W.

1902. Penn, Bertram Harley, care of W. Cooper Penn, 25 Victoria Street, Westminster, S.W.

1901. Penn, Reginald William, 16 Overstrand Mansions, Prince of Wales Road, Battersea, London, S.W.

1900. Perry, Edgar William Frank, 1 and 2 Palace Chambers, 9 Bridge Street, Westminster, S.W.

1902. Petrie, Percival, 25 Bridge Road West, Battersea, London, S.W.

1890. Philipson, John, Messrs. Atkinson and Philipson, 27 Pilgrim Street, Newcastle-on-Tyne. [*Carriage, Newcastle-on-Tyne.* 1641.]

1884. Philipson, William, Messrs. Atkinson and Philipson, 27 Pilgrim Street, Newcastle-on-Tyne. [*Carriage, Newcastle-on-Tyne.* 1641.]

1903. Pickett, Henry Arthur, Electric Construction Co., Wolverhampton.

1901. Pickles, Thomas Sykes, 104 Greenbank Road, Rochdale.

1902. Pimm, Arthur Watson, Gatley, Lingfield Avenue, Kingston-on-Thames.

1902. Pink, Edward Sidney, 5 Gwendolen Avenue, Putney, London, S.W.

1903. Piper, George Edmund, Royal College of Science, Stephen's Green, Dublin.

1900. Plante, Stanley Gedge, 5 Harsnett Road, Colchester.

1903. Poignand, Francis Nesbitt, The Beeches, Walsham-le-Willows, Bury St. Edmunds.

1903. Porter, Geoffrey, Finsbury Technical College, Leonard Street, City Road, London, E.C.

1902. Powell, Henry, Messrs. Rose Brothers, Albion Works, Gainsborough.

1892. Power, Arthur Cyril, 19 Exeter Mansions, Exeter Road, Brondesbury, London, N.W.

1902. Pratchett, William Monkhouse, Messrs. Pratchett Brothers, Denton Iron Works, Carlisle.

1898. Preen, Arthur Harvey, 12 Radford Street, Coventry.

1901. Prevost, Alfred Thomas, 28 Thames Street, Kingston-on-Thames.

1903. Price-Williams, Douglass, 18 Chandos Road, Willesden Green, London, N.W.

1904. Priestley, Albert, Messrs. Drakes, Ovenden, Halifax.

1904. Pudsey, Fawcett, Messrs. Rose, Downs and Thompson, Hull.

1901. Purse, Frederick Walter, Electricity Works, Howley, Warrington.

1902. Radley, Willie John Peace, 83 Haley Hill, Halifax.

1892. Ransom, Herbert Byrom, Messrs. Manlove Alliott and Co., 57 Gracechurch Street, London, E.C.

1902. Ravenshear, Albert Edward, 2 Berwick Street, Oxford Street, London, W.

1902. Reeve, Edward, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.

1901. Reside, Andrew, care of James Reside, Brighouse.

1884. Reynolds, Thomas Blair, 28 Victoria Street, Westminster, S.W.

1900. Richards, James Garfield, Locomotive Works, London and South Western Railway, Nine Elms, London, S.W.

1902. Richards, Percy, Dunkeld, The Avenue, Beckenham.

1903. Richards, Samuel Hope, Electrical Standards Laboratory, Board of Trade, 8 Richmond Terrace, Whitehall, London, S.W.

1901. Ritchie, John McAuslan, care of T. H. Houghton, 63 Pitt Street, Sydney, New South Wales.

1902. Roberts, Edward Drayton, 35 South Hill Road, Gravesend.

1903. Roberts, Edwin Gilbert Llewellyn, Park Lodge, Eltham, Kent.

1902. Roberts, George Robert Wesley, 22 Albany Road, Cardiff.

1902. Roberts, Walter Slingsby, Messrs. Davey, Paxman and Co., Standard Iron Works, Colchester.

1900. Robertson, Walter Henry Antonio, Messrs. Elliott's Metal Co., Selly Oak Works, Birmingham.

1903. Robinson, Isaac Vincent, Greenhow, Belle Vue, West Hartlepool.

1903. Roose, FitzRoy Owen Jonathan, Corporation Electricity Works, Bournemouth.

1897. Rootham, Howard Melville, 12 Well Walk, Hampstead, London, N.W.

1901. Rouse, Frederick Robert Charles, 204 Kentish Town Road, London, N.W.

1888. Rümmele, Alfredo, 3 Foro Bonaparte, Milan, Italy.

1901. Sandaljian, Bedros, Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W.

1902. Saxby-Thomas, Humbert George, 98 New Walk, De Montfort Square, Leicester.

1890. **Saxelby, Herbert Raffaelle**, Messrs. Riley, Hargreaves and Co., Singapore, Straits Settlements.

1903. **Saye, Kenneth Noel**, Electricity Works, Sutton, Surrey.

1903. **Saynor, Leonard Henderson**, 21 Glebe Street, Loughborough.

1902. **Schultz, George Christopher**, The Firs, Northwood, R.S.O., Middlesex.

1902. **Scorer, Arthur Bruce**, Coombe Hurst, Lincoln.

1881. **Scott, Ernest**, Messrs. Ernest Scott and Mountain, Close Works, Newcastle-on-Tyne. [*Esco, Newcastle-on-Tyne*. 1259.]

1903. **Seager, Francis Percy**, Sheffield Corporation Electricity Works, Commercial Street, Sheffield.

1901. **Senior, George**, 144 Eastgate, Rochester.

1898. **Sharp, William**, Messrs. A. D. J. Main and Co., 31 Dalhousie Square, Calcutta, India.

1901. **Sharpley, Reginald**, 111 Iverna Court, Kensington, London, W.

1902. **Shaw, William Calvert**, Albert Works, Lookwood, Huddersfield.

1903. **Shelmerdine, Eric Dean Saatweber**, Gladys Mount, Stretford, Manchester.

1892. **Shepherd, James Horace**, Great Western Railway, Swindon; and 10 Gloucester Street, Swindon.

1902. **Shimmin, George Featherstone**, 26 Ellenborough Place, Maryport.

1903. **Shirreff, James Arthur**, care of W. G. Walker, 47 Victoria Street, Westminster, S.W.

1902. **Sington, Leonard Francis Symons**, 124 Christchurch Road, Ashford, Kent.

1903. **Smart, David Howard St. Barbe**, 108 Grange Road, Bermondsey, London, S.E.

1901. **Smith, Alfred John**, Borough Surveyor's Office, Ilkeston.

1902. **Smith, Ernest Edward**, Messrs. Aublet, Harry and Co., 55 Curtain Road, London, E.C.

1898. **Smith, George Alfred**, Ash Lodge, Watford.

1903. **Smith, Louis William**, West End House, Leiston, R.S.O., Suffolk.

1898. **Smith, Ralph Vernon**, Hickling Lodge, near Keyworth, Notts.

1899. **Smith, Raymond Berkeley**, Holmwood, 19 Greenside Road, Croydon.

1901. **Smith, Reginald Redhead**, Simms Manufacturing Co., Welbeck Works, Kimberley Road, Willesden Lane, Kilburn, London, N.W.

1902. **Smith, Sydney Abbott**, 66 College Street, Chelsea, London, S.W.

1903. **Smith, Ulric Vivian**, 6 Tower Road, Dartford.

1901. **Soames, Ernest Arthur**, Fernleigh, Westcombe Park Road, Blackheath, London, S.E.

1902. **Somers, Frank**, Haywood Forge, Halesowen, near Birmingham.

1903. **Sommerville, Alfred**, 32 Holmston Road, Ayr.

1902. **Speakman, Edward Murray**, Steam Turbine Department, British Westinghouse Co., Trafford Park, Manchester.

1902. Spear, Charles Oscar, Duneira, Willesden Lane, London, N.W.
 1901. Spencer, Arthur John, Machinery Division, Victoria and Albert Museum, South Kensington, London, S.W.
 1903. Stanford, Eric Spencer, Stalheim House, Gauden Road, Clapham, London, S.W.
 1903. Staveley, Douglas Dunbar, 83 Ferme Park Road, Hornsey, London, N.
 1902. Steed, Alfred William, Royal College of Science, Exhibition Road, South Kensington, London, S.W.
 1899. Stevens, Percy Herbert, Messrs. Archibald Smith and Stevens, Janus Works, Queen's Road, Battersea, London, S.W.
 1902. Stevenson, Edward James, Manager, Messrs. Robert Cort and Son, 21 Lower Bland Street, Great Dover Street, London, S.E.
 1892. Stokes, Frank Torrens, P.O. Box 1355, Johannesburg, Transvaal, South Africa.
 1900. Stonebridge, Arthur Watson, 16 Latimer Avenue, East Ham, London, E.
 1903. Sutcliffe, Ingham, 52 Furnivall Road, Balby, Doncaster.
 1902. Swan, Herbert Anderson, Messrs. Arnott Swan and Walker, 21 Pilgrim Street, Newcastle-on-Tyne.
 1903. Swarbrick, Frederick, Kidderminster and District Electric Lighting and Traction Co., Kidderminster.

1900. Taite, Geoffrey Charles, 25 Buckingham Gate, London, S.W.
 1902. Talbot, Ernest, 3 and 5 St. James' Row, Sheffield.
 1901. Taylor, George Stevenson, 39 Victoria Street, Westminster, S.W.
 1903. Taylor, Harry Longfellow, Aurora Villas, St. Albon Street, St. Georges, Wellington, Shropshire.
 1884. Taylor, Maurice, 50 Rue Rochechouart, Paris.
 1902. Tchighianoff, Alexander, 33 Tanza Road, Hampstead, London, N.W.
 1901. Thomas, Nevill Senior, Messrs. Topham, Jones and Railton, H.M. Dockyard Extensions, Gibraltar.
 1902. Thompson, David John Hamilton, Sheerness and District Electric Power and Traction Co., Electricity Works, Sheerness.
 1900. Thompson, Edward Horace, Gwynne, Albemarle Road, Beckenham.
 1902. Thompson, John Archibald, Melrose, Hampton Road, Teddington.
 1903. Thorne, Douglas Stuart, care of Alfred Thorne, 7 Carteret Street, Queen Anne's Gate, Westminster, S.W.
 1904. Thorne, Leonard, West Middlesex Waterworks, Hammersmith, London, W.

1902. Thornton, Arthur Frederick, 7 Plough Road, Rotherhithe, London, S.E.

1904. Thurston, Albert Peter, Thurlow Lodge, 377 Norwood Road, London, S.E.

1902. Tomes, John Percival, Thames Engineering Works, Greenwich, London, S.E.

1899. Trafford, Joseph Peter, Clifton Road, Sutton Coldfield, Birmingham.

1903. Trayte, Walter George, Woolwich Polytechnic, William Street, Woolwich.

1903. Trench, William Counell Power, Lilleshall Co., Snedhill Iron Works, near Shifnal.

1903. Tresham, Lancelot David, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.

1903. Trimmer, George William Arthur, Broadgate Villa, Grasmere, Westmoreland.

1902. Tulip, Wilfred, Whinney Hill Villa, Choppington, Morpeth.

1901. Turnbull, Walter Alexander, Electricity Works, Bury, Lancashire.

1901. Turner, Ernest William, City Engineer's Office, Peterborough.

1903. Turner, Joe, 60 King Street, Huddersfield.

1898. Turner, Vincent, City Engineer's Office, Westminster City Hall, Charing Cross Road, London, W.C.

1903. Turner, William Lawrence, Purley Chase, Atherstone.

1902. Twelvetrees, Richard Walter Rickard, 89 Gladstone Road, Sparkbrook, Birmingham.

1900. Viney, Horace, Messrs. T. Coulthard and Co., Preston.

1901. Wadams, Samuel James, 36 Broughton Road, Handsworth, Birmingham.

1888. Waddington, Samuel Sugden, Llanberis, 7 Derwent Road, Anerley, London, S.E.

1900. Wadham, Robert, 29 Odengatan, Stockholm, Sweden.

1902. Wakeman, Charles, Jun., Messrs. Guest, Keen and Nettlefolds, 16 Broad Street, Birmingham.

1902. Wakeman, Frederick, Carisbrooke, Cambridge Road, King's Heath, Birmingham.

1901. Walker, Thomas Archibald, Fyfield, Milnthorpe Road, Eastbourne.

1902. Wallis, Gerald Pearson, 190 Burrage Road, Plumstead.

1898. Wans, Oswald, Messrs. Burn and Co., Howrah, Bengal, India.

1904. Warbrook, Frederick George, Messrs. Askham Brothers and Wilson, Greenland Branch Works, Sheffield.

1903. Ward, Montague Wesney, Polytechnic School of Engineering, 309 Regent Street, London, W.

1888. Waring, Henry, Engineer, Dublin Laundry Co., Milltown, near Dublin.

1901. Warwick, Percy Walter, 20 Heathville Road, Crouch Hill, London, N.

1902. Webster, Arthur Guy, Sunbury, Westbourne Road, Sheffield.

1902. Westacott, Percy, Bank Chambers, Princess Square, Plymouth.

1888. Whichello, Richard, Messrs. Victor Uslaender and Co., 33 Rua do General Camari, Caixa 542, Rio de Janeiro, Brazil : (or 44 Trumpington Street, Cambridge).

1901. White, Percy Wilson, St. Denys, Crediton Road, West Hampstead, London, N.W.

1903. Whitehead, Alan Octavius, Deighton Grove, York.

1902. Whittington-Cooper, Alfred, 26 Kenilworth Court, Putney Bridge, London, S.W.

1889. Wigham, John Cuthbert, Edmundsons' Electricity Corporation, Broad Sanctuary Chambers, Westminster, S.W.

1901. Willey, Leonard Arthur, Elmside, Ealing, London, W.

1898. Williams, Norman C., Messrs. Belliss and Morcom, Ledsam Street Works, Birmingham.

1901. Williams, Stanley Victor, 23 Loughborough Road, Brixton, London, S.W.

1900. Williams, Vernon Ingram Norbury, 7 Upper Kent Road, Victoria Road, Rusholme, Manchester.

1903. Wilson, Ewain Murray, Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford.

1902. Wiswall, John William, 10 Stanley Villas, Runcorn.

1902. Wood, Charles Cuthbert, 28 Rutland Road, Bedford.

1902. Wood, Wilfred Pimm, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.

1903. Wood, William Bertram, 53 Earlham Grove, Forest Gate, London, E.

1902. Woodward, Edward, East Indian Railway, Buxar, India.

1903. Worssam, Leslie Henry, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.

1902. Wright, Arthur Reginald, 3 Eastbourne Terrace, Cleveland Road, West Hartlepool.

1902. Wright, Frank Claude, care of Dr. Claude Wright, Wynberg, Cape Town, Cape Colony.

1903. Wright, Frank Thomas, Underground Electric Railways Co., Hamilton House, Victoria Embankment, London, E.C.

1898. Wylie, Reginald Charlton, Carrack Dhu, St. Ives, Cornwall.

1903. Yarrow, Harold Edgar, Woodlands, Blackheath, London, S.E.

1891. Yerbury, Frederick Augustus, Glenavon, Grange Road, Kingston-on-Thames.

1902. York, Richard Lister, Fairford House, Fairford, S.O., Gloucestershire.

1902. Younghusband, Kenneth, British Westinghouse Electric and Manufacturing Co., Trafford Park, Manchester.

TOPOGRAPHICAL LIST OF MEMBERS.

BRITISH ISLES. ENGLAND.

Abbey Wood—		Barnstaple—		Birkenhead—	
Shoosmith, H.	M.	Colbourne, T. S.	A.M.	Bale, J. H. F.	A.M.
Accrington—		Barrow-in-Furness—		Barker, E. G.	M.
Blackmore, W. R.	G.	Banister, G. H.	M.	Deakin, G. W.	A.M.
Heald, H.	G.	Bradley, C. G.	G.	Shanan, C. H.	A.M.
Altringham—		Buckwell, G. W.	M.	Wilson, A. C.	A.M.
Brogden, H.	M.	Caswell, C. H.	G.	Birmingham—	
Dawson, H. W.	A.M.	Dunn, J.	M.	Aldridge, L. S.	G.
Edmondson, A. R.	A.M.	McKechnie, J.	M.	Anderson, E. W.	M.
Jameson, W. H. M.	A.M.	Oughterson, G. H.	A.M.	Astbury, A. J.	M.
Mortimer, W.	M.	Pettigrew, W. F.	M.	Aston, J. W.	M.
Poillit, H.	M.	Smith, J. W.	A.M.	Avery, W. B.	M.
Rowland, B. R.	M.	Thackeray, T.	M.	Awdry, W. L.	M.
Taggart, W. S.	M.	Bath—		Barker, T. P.	M.
Amersham—		Day, A. G.	A.M.	Barrow, L.	A.M.
Pearson, C. D.	G.	Horner, J. G.	A.M.	Bayliss, T. R.	M.
Ashford—		Hunton, W.	G.	Beeching, F. W.	G.
Masterton, J. F.	M.	Mogg, H. H.	G.	Beesly, G.	M.
Sands, H.	M.	Pitt, W.	M.	Belliss, G. E.	M.
Sington, L. F. S.	G.	Walker, S. F.	M.	Belliss, J.	M.
Stirling, J.	M.	Batley—		Blumfield, T. W.	A.M.
Stirling, R.	M.	Bagshaw, W.	M.	Bowers, W. R.	A.M.
Ashtead—		Bedford—		Burstall, Prof. F. W.	M.
Northey, P. W.	M.	Allen, H. G.	A.M.	Cannell, W.	A.M.
Ashton-under-Lyne—		Allen, R. W.	M.	Carr, J. J. W.	A.M.
Balkwill, A. J.	M.	Allen, W. H.	M.	Causer, W. G.	M.
Bickerton, H. N.	M.	Austin, J. M.	M.	Cerrito, F. H.	A.M.
Cartwright, W.	M.	Davies, C. E.	G.	Challen, S. W.	M.
Fletcher, J. A.	M.	Fiegehen, E. G.	A.M.	Challen, W. B.	M.
Lees, S.	M.	Grafton, A.	M.	Chatwin, J.	M.
Atherstone—		Howard, G.	G.	Clark, H. C.	A.M.
Turner, W. L.	G.	Howard, J. H.	M.	Clarke, A. W.	G.
Bamber Bridge—		Langley, G.	A.M.	Clarke, E. F.	M.
Gibbs, G. J.	M.	Steinmetz, A. S. B.	A.M.	Collyer, P. N.	A.M.
Banbury—		Trunchion, W. T. F.	A.M.	Conaty, G.	M.
Cunningham, H.	M.	Wood, C. C.	G.	Cooper, W. J.	A.M.
Nasbey, G. W.	M.	Belper—		Corby, M.	A.M.
Samuelson, The Rt.		Alleyne, Sir J. G. N.	M.	Cox, J.	M.
Hon. Sir B.	M.	Belvedere—		Davis, C. R. S.	A.M.
Samuelson, E.	M.	Kelsey, P. W.	G.	Deakin, W.	M.
Barking—		Pritchard, R. C.	A.M.	Dickinson, A.	M.
Seabrook, A. H.	A.M.	Walker, P.	M.	Dickinson, R. H.	M.
Barnsley—		Bembridge—		Docker, F. D.	A.
Allport, H. A.	M.	Mackenzie, K. R.	A.	Douglass, A. E.	A.M.
Sanders, G.	A.M.	Berkhamsted—		Dugard, W. H.	M.
		Footner, H.	M.	Dumas, R.	A.M.
		Bilston—		Edwards, A. E. A.	M.
		Holcroft, T.	M.	Edwards, E. L.	A.M.
				Ellis, B. P.	A.M.
				Everitt, N. H.	M.
				Ewen, T. B.	M.
				Foster, J. S.	M.

Birmingham (cont.)—

Garland, F. J.	A.M.
Gibbins, R. C.	M.
Ginders, E. M.	A.M.
Goodman, A. C.	A.M.
Graham, H. B.	A.M.
Greenwood, W. H.	M.
Griffiths, H.	A.M.
Guest, G. N.	A.M.
Guest, J. J.	M.
Hall, J. W.	M.
Hall, R. F.	A.M.
Hall, T. B.	M.
Hampton, J.	A.M.
Harrison, C. G.	M.
Haskew, F. J. T.	A.M.
Heaton, A.	G.
Heaton, C.	M.
Heaton, G.	M.
Hipkins, W. E.	M.
Hodgson, R. B.	A.M.
Hughes, G. W.	A.M.
Jackson, E.	A.
James-Carrington, H.	A.M.
Jefferiss, T.	M.
Jones, E.	M.
Jones, F.	M.
Jones, L. A.	A.M.
Jones, S. D.	A.M.
Keen, A.	M.
Keen, F. W.	M.
Kenway, W. E.	A.
Kershaw, T. E.	M.
Ketley, C. B.	A.M.
Lea, F. M.	A.M.
Lea, H.	M.
Little, G.	M.
Mapplebeck, E.	M.
Marks, A. P.	A.M.
Marks, E. C. R.	M.
Marshall, J. G.	M.
Marshall, W. B.	M.
Marshall, W. P.	M.
Mitton, E. M., Jun.	M.
Mitton, T. E.	A.M.
Morcom, A.	M.
Nettlefold, G.	A.M.
Newill, G. E.	G.
Norton, A.	A.M.
Orr, T. R. J.	A.M.
Parker, T. H.	M.
Parrott, T. H.	M.
Parsonage, W. R.	A.M.
Peacock, J. B.	G.
Pedley, H. L.	M.
Pendlebury, C.	M.
Penn, F. J.	M.
Phelps, G. L. de B.	A.M.
Piercy, H. J. T.	M.
Pinkney, T. S.	A.M.
Plant, G.	A.
Prior, J. D.	A.
Rapson, J. T.	A.M.
Reeve, E.	G.
Reynolds, A. M.	A.M.
Richey, W. F. A.	A.M.
Robertson, W. H. A.	G.
Robson, W. H.	M.
Rogers, W. I.	A.M.
Ronald, H.	M.
Roseveare, L.	A.M.
Sandford, J.	A.M.
Sangster, C.	A.M.
Shackleton, A. L.	M.

Birmingham (cont.)—

Sharp, T. B.	M.
Shirlaw, A.	M.
Smith, J.	M.
Somers, F.	G.
Somers, W.	M.
Spiller, W. O.	A.M.
Stevenson, J. L. C.	A.M.
Suffield, F. W.	A.M.
Tangye, G.	M.
Tangye, H. L.	M.
Tangye, J.	M.
Tangye, J. H.	M.
Taunton, R. H.	M.
Taylor, D. F.	A.M.
Taylor, J. S.	M.
Thomas, W. F.	A.M.
Thornbery, W. H.	M.
Titley, A.	M.
Trafford, J. P.	G.
Turner, A.	M.
Twelvetrees, R. W. R. G.	G.
Wadams, S. J.	G.
Wade, F. R.	A.M.
Wakeman, C., Jun.	G.
Wakeman, F.	G.
Walker, T. F.	M.
Walker, Z., Jun.	M.
Wall, C. H.	M.
Warden, W. E.	M.
Wasdell, T.	A.M.
Wearing, J. E.	M.
Wheeler, P.	M.
Whitehouse, A.	A.M.
Williams, C. J.	A.M.
Williams, N. C.	G.
Windsor, A. W.	A.M.
Winn, C. R.	M.
Wiseman, A.	M.
Wood, W. P.	G.
Woollen, T. H.	M.
Worsley, P. J., Jun.	A.M.
Wright, W.	M.

Blackburn—

Coddington, Sir W.	M.
Hargraves, R.	M.
Hodson, G. C.	A.M.
Stones, W. G.	A.M.
Thom, F.	A.M.
Thom, W.	M.
Wingate-Saul, A. W.	A.M.

Blackpool—

Furness, C.	M.
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Blaydon-on-Tyne—

Douglass, W. J.	M.
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Bolton—

Attock, F. W.	A.M.
Bennis, A. W.	M.
Berry, F.	A.M.
Bromley, W. J.	M.
Cave, W. H.	A.M.
Chatwood, A. B.	M.
Chatwood, S.	M.
Chatwood, S. R.	M.
Cottrill, J. O.	M.
Fawkes, R. E. F.	G.
Forrest, H. S.	M.
Harwood, R.	M.
Holden, E. C.	A.M.
Hudson, J. G.	M.
Hughes, G.	M.

Bolton (cont.)—

Jones, A. D.	A.M.
Jones, C. F.	M.
Macbeth, N.	M.
Musgrave, F. E.	M.
Musgrave, W. M.	M.
Richardson, H. A.	M.
Rothwell-Jackson, H. L.	M.
Rushton, J. L.	A.M.
Ryder, G. A.	A.M.
Sharp, J.	M.
Shawcross, G. N.	M.
Skinner, G.	A.M.
Walker, R.	A.M.
Wood, H.	M.

Boston—

Harliiss, W. L.	G.
Lovell, S. G.	A.M.
Simonds, W. T.	M.

Bournemouth—

Bulfin, I.	A.M.
Douglas, J. M.	M.
Keable, A. H.	A.M.
Lloyd, C.	M.
McAll, H. W.	A.M.
Roose, F. O. J.	G.

Bourton—

Rankin, E. A.	A.M.
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Box, Wilts.—

Philip, W. L.	M.
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Bradford—

Bland, J. W.	G.
Charnock, Prof. G. F.	M.
Croft, F.	G.
Croft, F. L.	M.
Dean, J.	M.
Dews, J. W.	A.M.
Dyson, J. D.	A.M.
Ellis, A. D.	M.
Feather, R.	A.
Foster, E. H.	A.M.
Foster, H. A.	M.
Hardcastle, E.	M.
Helme, E. T.	M.
Hodgson, G. H.	M.
Homershaw, T. H. C.	M.
Illingworth, W., Jun.	A.M.
Marsden, F.	A.M.
Morley, H. W.	M.
Nutter, H. N.	G.
Preston, F. K.	A.M.
Puddephatt, E. O.	M.
Rycroft, J. E.	A.M.
Scott, A. F.	M.
Smith, W. H.	M.
Stephenson, A.	A.M.
Sutcliffe, F. J. R.	M.
Taylor, A. J.	A.M.
Whittaker, F. W.	M.
Wigglesworth, F.	A.M.

Bradford-on-Avon—

Oswald, G. H.	A.M.
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Braintree—

Clayton, J.	M.
Limozin, F. L. J.	A.M.
Tabor, E. H.	A.M.

Brentwood—

Tower, B.	M.
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Bridgwater —		Bury, Lanes. (cont.)—		Chesterfield (cont.)—	
Wills, F.	M.	Peregrine, W. H.	A.M.	Morris, W. J.	A.M.
Bridport —		Riley, J. H.	M.	Pilkington, H.	M.
Harris, H. N.	A.M.	Turnbull, W. A.	G.	Robinson, T. H.	A.M.
Brierley Hill —		Walmsley, C.	M.	Smith, A.	A.M.
Mantle, H. G.	M.	Webb, H.	M.	Williams, W. D.	A.M.
Smith, H.	M.				
Brighouse —		Bury St. Edmunds —		Chester-le-Street —	
Reside, A.	G.	Mumford, C. E.	M.	Wood, Sir L.	M.
Brighton —		Poignard, F. N.	G.		
Billinton, R. J.	M.	Stevens, T.	M.	Chippenham —	
Bowen, E.	M.			Adams, A. E.	A.M.
Broughton, H.	G.				
Couch, R. E.	A.M.	Cambridge —		Chipping Sodbury —	
Johnston, J.	M.	Ambrose, S. P.	A.M.	Manton, A. W.	M.
Malden, H. J.	G.	Darwin, H.	M.	Chislehurst —	
North, H.	A.M.			Chubb, H. E.	G.
Smart, L. S.	M.	Carlisle —		Claeton-on-Sea —	
Waugh, H. N. D.	A.M.	Dove, G.	M.	Francis, A. S.	A.M.
Bristol —		Dove, J. C.	M.	Claygate —	
Baber, S. E.	A.M.	Pratchett, J.	M.	Schutte, F. A.	A.M.
Butler, G. H.	A.M.	Pratchett, W.	M.	Cleckheaton —	
Cross, W. M.	G.	Pratchett, W. M.	G.	Hodgson, H. E.	M.
Ellery, H. G.	M.			Cleobury Mortimer —	
Fiddes, W.	M.	Carnforth —		Shaw, G.	A.M.
Heinke, E. H. A.	M.	Snelus, G. J.	M.	Clevedon —	
Humpage, T.	M.	Worsdell, T. W.	M.	Pye, J. H.	A.M.
Jolin, P.	M.			Coalbrookdale —	
Kitchin, J. W.	A.M.	Chadwell Heath —		Norris, W. G.	M.
Macdonald, J. T. S.	M.	Taplin, J. M.	M.		
Margetson, A. J.	A.M.			Colechester —	
McGhee, A.	A.M.	Charlton, Kent —		Arnold, A. A.	A.M.
Munro, E. M.	M.	Duff, P. J.	G.	Harman, F. B. B.	G.
Munro, Prof. J.	M.			King, T. S.	M.
Osborn, J. L.	A.M.	Chatham —		Paxman, J. N.	M.
Parkinson, H. C.	M.	Binns, A.	A.M.	Plante, S. G.	G.
Peckett, T.	M.	Harrison, Major G. H.	M.	Roberts, W. S.	G.
Phillips, W.	M.			Stirling, R.	M.
Stagg, W.	M.	Chatteris —			
Stothert, G. K.	M.	Esson, J.	M.	Colne —	
Strong, A. G.	A.M.			Rushworth, G. W.	A.M.
Swaine, J.	M.	Cheadle, Cheshire —			
Thompson, J. R.	M.	Godson, E. H.	A.M.	Coniston —	
Watts, J.	M.	Hobson, J. E.	M.	Warsop, T.	M.
Westley, C. B.	A.M.			Consett —	
Broadcastairs —		Chelmsford —		Douglas, W. S.	A.M.
Higginson, F.	A.M.	Ball, E. B.	A.M.	Scott, J.	M.
Broseley —		Clarkson, T.	M.		
Garrard, G. M.	M.	Dewhurst, J.	A.M.	Coventry —	
Buckfastleigh —		French, A. H.	A.M.	Bennett, A. E.	M.
Willcocks, J.	A.M.	Horsnall, W. O.	A.M.	Bird, W. H.	M.
Burton-on-Trent —		Johnson, J. H.	A.M.	Brett, A. W.	A.M.
Baguley, E. E.	M.			Craig, A.	A.M.
Beare, H. H.	A.M.	Cheltenham —		Harmer, O.	M.
Daniel, E. F.	M.	Kilgour, M. H.	M.	Herbert, A.	M.
Goff, J.	M.	Phillott, G. H.	A.M.	Hildreth, W. A.	A.M.
Mell, L. P.	M.			Holroyd, V. A.	A.M.
Metcalfe, F. S.	M.	Chester —		Iden, G.	M.
Peet, W. G.	M.	Carter, W.	M.	Keegan, F. J.	A.M.
Ranger, R.	M.	Comerford, E.	A.M.	Lea, R. H.	M.
Smith, J.	M.	Gott, J. B.	A.M.	Leechman, G. D.	A.
Thornewill, R.	M.	Gritten, J.	A.M.	Lupton, K.	M.
Thornley, G.	M.	Hogarth, T. O.	M.	Preen, A. H.	G.
Bury, Lanes. —		Powell, H. C.	M.	Pugh, C. V.	M.
Bentley, G.	M.	Robins, A. G.	M.	Pugh, J. V.	A.M.
Hacking, W. H.	M.	Thornton, F. W.	M.	Robinson - Embury,	
Hall, O. S.	M.			Capt. R. P.	M.
		Chesterfield —		Starley, R.	A.M.
		Allbut, J. E. H.	A.M.	Starley, W.	A.
		Clark, G.	M.	Vernon, P. V.	M.
		Gandy, F.	M.	Whitehead, T. R.	M.
		Hardisty, J.	M.		
		Haywood, A. R.	A.M.		
		Macdonald, J. A.	M.		

Cowes—		Derby (cont.)—		East Molesey—
Carnt, E. C.	M.	Osborne, T. P.	M.	Scott, W. H.
Forster, A.	A.M.	Ottewell, A.	M.	Egremont—
Wort, W. E.	A.M.	Rosevere, R. G.	A.M.	Dickinson, J. G.
Cradley—	M.	Rudder, F. P.	A.M.	Elstree—
Swindell, J. S. E.	M.	Smith, J. W.	M.	Braithwaite, C. C.
Cradley Heath—	M.	Summerfield, R. D.	A.M.	Eltham—
Cowdell, H. C.	M.	Surtees, H. W.	M.	Roberts, E. G. L.
Crayford—	M.	Swingler, A.	M.	Erith—
Heath, G. W.	M.	Whitehead, R. D.	A.M.	Björnstad, J.
Crewe—	M.	Dereham—		Howard, P.
Eaton-Shore, G.	M.	Jewson, H.	A.M.	May, C. R.
Eyers, C.	G.	Devizes—		Smart, A.
Oke, F. R.	M.	Atherton, P. W.	G.	Ticehurst, H. G.
Whale, G.	M.	Falconer, E. A.	G.	Whitmore, F. L.
Croydon—	A.M.	Devonport—		Wright, G. A.
Cramb, A. C.	A.M.	Dodridge, F.	A.M.	Eton—
Dickinson, W.	M.	Porter, E. W.	A.M.	Sainty, C.
Smith, R. B.	G.	Devoran—		Exeter—
Dagenham—	A.M.	Visick, C.	A.M.	Grove, H.
Ingle, H. E.	M.	Dewsbury—		Hodges, M. H.
Williams, A. E.	M.	Horsfield, P. F.	G.	Ingram, S.
Darlington—	M.	Doncaster—		Pickering, W. S.
Butler, H. W.	M.	Bazin, J. R.	G.	Rew, R. J.
Carrick, H.	M.	Bulleid, O. V. P.	G.	Simpson, S.
Coates, A.	M.	Crooke, W., Jun.	A.M.	Fairford—
Douglas, C. P.	M.	Davis, F.	G.	Day, G. C.
Kendal, R.	M.	Dove, G.	M.	York, R. L.
Pearl, J.	M.	Drury, H. W. C.	A.M.	Falmouth—
Smeddie, J. H.	M.	Emerson, W. A. I.	G.	Cox, H. H.
Williams, C. E.	A.M.	Fletcher, D. C.	G.	Stephens, C. R.
Dartford—	M.	Hawkins, E. F.	G.	Farnborough—
Bagg, H. A.	A.M.	Hogg, W.	G.	Talbot, F. W.
Bell, W.	A.M.	Ivatt, H. A.	M.	Faversham—
Brier, H.	M.	Marsh, D. E.	M.	Semark, C. H.
English, Lt.-Col. T.	M.	Stirling, P.	M.	Felsted—
Hesketh, E.	M.	Sutcliffe, L.	G.	Morgan, D. H.
Smith, U. V.	G.	Webster, F. J.	M.	Fence Houses—
Dartmouth—	A.M.	Wyld, W.	A.M.	Lishman, T.
Enock, E. C.	A.M.	Dorking—		Fleetwood—
Darwen—	A.M.	Lakin-Smith, C.	A.M.	Boyd, H.
MacIvor, A.	A.M.	Dorridge—		Foster, S.
Mills, S. J. A.	A.M.	Barker, T. B.	M.	Hansom, O.
Deal—	M.	Dover—		Folkestone—
Cowper, C. E.	M.	Donohue, Major W. E. M.		Dean, W.
Marrian, A. E.	A.M.	Dudley—		Frinton-on-Sea—
Derby—	M.	Cochrane, J. B.	M.	Bate, E. M.
Arnold, J. A.	M.	Dukinfield—		Frome—
Bain, D.	M.	Coombs, J. A.	A.M.	Swaine, A. T.
Bell, F.	A.M.	Oldham, F.	M.	Gainsborough—
Coles, H. J.	M.	Oldham, T.	M.	Cribb, F. J.
Deeley, R. M.	M.	Durham—		Marshall, Henry D.
Donne, F. E. M.	A.M.	Oldham, G.	M.	Marshall, H. D.
Eastwood, T. C.	M.	Schroller, W.	M.	Marshall, H. J.
Farnsworth, A. W.	A.M.	Dursley—		Marshall, J.
Fowler, H.	M.	Hudson, E. V.	A.M.	Newell, E.
Guest, C. H.	M.	Earls Colne—		Powell, H.
Haggie, R. H., Jun.	M.	Hunt, F.	A.M.	Gateshead—
Haslam, Sir A. S.	M.	Eastbourne—		Baister, C.
Haslam, A. V.	A.M.	Bowen, C. W.	G.	Carrick, J. E. C.
Haslam, W. G.	M.	Rodda, J. T.	A.M.	Chater, J. R.
Hill, J.	M.	Walker, T. A.	G.	Cowens, W. E.
Hodges, F. G.	M.	East Dereham—		Gibb, M. S.
Holmes, H.	A.M.	Cooper, G. S. H.	G.	McDougall, H.
James, T.	M.	Hervey, M. W.	M.	Raven, V. L.
Jones, C. H.	M.			
Mills, R.	M.			
Moulton, A. J.	M.			

Gateshead (cont.)—		Hanley Castle —		Hull (cont.)—	
Smith, W. M.	M.	Maylor, W.	M.	Haswell, F. J.	M.
Walker, H.	M.			Heath, C. L. E.	A.M.
Woodeson, W. A.	A.M.	Harrogate —		Jenkin, T. H.	M.
Worsdell, W.	M.	Davis, A. H.	A.M.	Pearson, F. H.	M.
Gloucester —		Lowsley, S. E.	M.	Pudsey, F.	G.
Dorman, W. S.	M.	Wilkinson, G.	M.	Robb, A.	M.
Fielding, J.	M.			Stirling, M.	M.
Howard, J. W.	M.	Hartlepool —		White, A. E.	M.
Montague, G.	A.M.	Cheesman, W. T.	M.	Willatt, W. H.	M.
Scott, C. H.	M.	Morison, D. B.	M.		
Sisson, W.	M.	Richardson, Sir T.	M.		
Slater, A.	M.	Wornum, J. R.	A.M.		
Godalming —		Harwich —		Hungerford —	
Burdock, A.	G.	Blenkinsop, J. N.	M.	Cottrell, G.	A.M.
Goole —		Haslemere —		Rose, S. D.	A.M.
Gibbons, W. G.	M.	Buckton, W. W.	A.M.	Hunstanton —	
Gosport —		Hastings —		Schottfeld, G. A.	M.
Bell, E.	M.	Ferguson, R. F.	A.M.		
Grantham —		Havant —		Hyde —	
Groom, I. S. W.	A.M.	Dean, G.	A.M.	Adamson, D.	M.
Hornsby, J.	M.			Adamson, J.	M.
Inchley, W.	G.	Hayle —		Beeley, T.	M.
James, C., Jun.	M.	Harvey, F. H.	M.	Beeley, T. C.	M.
Roberts, D.	M.	Hawkins, T. S.	A.M.	Goodfellow, G. B.	M.
Grasmere —		Haywards Heath —		Hall, J.	M.
•Trimmer, G. W. A.	G.	Channon, P. P.	A.M.	Ilford —	
Gravesend —		Heaton-on-Tyne —		Carstairs, G. L.	A.M.
Brownjohn, W. H.	A.M.	Casebourne, A. C.	A.M.	Cowie, W.	A.M.
Muirhead, R.	M.	Hednesford —		Kenshole, H. H.	A.M.
Roberts, E. D.	G.	Bumsted, F. D.	M.	Lyddon, G. E.	A.M.
Rosenthal, F. M. B.	A.M.	Chandler, N.	M.	Middleton, R. T.	M.
Sandford, H.	M.	Williamson, R. S.	A.	Seabrook, A. W.	M.
Taylor, C. F.	A.M.	Highbridge —		Spurr, G. R.	A.M.
Great Malvern —		Whitaker, A.	M.	Ilkeston —	
Stephenson-Peach,				Smith, A. J.	G.
W. J.	M.	Hitchin —			
		Innes, A. M.	A.M.	Ilkley —	
		Spencer, A. L. H.	A.M.	Busfeld, W.	A.M.
Great Yarmouth —		Horsehay —		Vaux, W.	M.
Kendall, A. H.	G.	Forster, R.	A.M.	Ipswich —	
Pertwee, H. A.	A.M.	Jepson, G. F.	G.	Allan, A. B.	A.M.
Grimsby —		Horsham —		Berkeley, T. D.	A.M.
Bulwer, E. H. E.	M.	Renwick, R.	A.M.	Brewster, H. J.	G.
Wotherspoon, J. D.	M.	Hove —		Davies, E. J.	M.
Guildford —		Hill, R. A.	M.	Hartley, H. A.	A.M.
Burne, E. L.	A.M.			Jefferies, H. S.	M.
Dickinson, W.	A.M.	Howden —		Morris, C. C. B.	G.
Halifax —		Briggs, C.	M.	Rainer, E. A.	A.M.
Bentley, W.	M.	Briggs, J. H.	M.	Ransome, J. E.	M.
Butler, J.	M.	Huddersfield —		Ripley, P. E.	M.
Campbell, H.	M.	Broadbent, W.	M.	Turner, F.	M.
Gledhill, A. H.	A.M.	Clarkson, C.	M.	Turner, F. W.	A.M.
Hardy, J. H.	A.M.	Holmes, P. F.	M.	Isleworth —	
Marshall, L.	M.	Hopkinson, A. H.	A.M.	Beck, E.	M.
Marsland, J. S.	M.	Hopkinson, J.	M.	Jarrow —	
Naylor, J.	A.M.	Moore, T. R.	A.M.	Reed, J. W.	M.
Naylor, S.	M.	Reeve, W.	A.M.	Keighley —	
Pogson, J.	M.	Shaw, W. C.	G.	Baldwin, J.	M.
Priestley, A.	G.	Turner, J.	G.	Clapham, T. A.	G.
Radley, W. J. P.	G.	Young, H. E.	A.M.	Cope, H. O.	M.
Redman, J.	M.			Darling, J. W.	M.
Slingsby, W.	A.M.			Longsdon, H. C.	M.
Widdowson, E. L.	A.M.	Hull —		Smyth, J. M.	A.M.
		Adam, B., Jun.	G.	Spencer, J.	M.
		Baldwin, C. E.	A.M.	Wheater, E. J.	A.M.
Halstead —		Bancroft, F. J.	M.	Wright, I. H.	A.M.
Halsey, C. T.	A.M.	Brodrick, W. H.	M.	Kelvedon —	
Hawkins, E. S.	A.M.	Cooper, W.	M.	Peache, J. C.	M.
Hanley —		Fourny, H. F.	M.	Kettering —	
Smith, T. J.	A.M.	Harrison, W. R.	M.	Lea, A. H.	A.M.
				Wicksteed, C.	M.

		Leicester—	
Kew—		Appleby, P. V.	M.
Wilson, R. D.	A.M.	Atkinson, R. E.	M.
Keyworth—		Bennion, C.	M.
Smith, R. V.	G.	Brooks, J. F.	A.M.
Kidderminster—		Gimson, A. J.	M.
Bates, H. H.	G.	Herbert, W.	G.
Bradley, F.	M.	Hill, F. J.	A.M.
Green, B. J.	A.M.	Hurst, J. H.	G.
Swarbrick, F.	G.	Jessop, G.	M.
Kidsgrove—		Richards, H. W. H.	M.
Pooley, H., Jun.	M.	Robinson, E. M.	M.
King's Langley—		Saxby-Thomas, H. G.	G.
Taylor, E. E.	A.M.	Taylor, W.	M.
King's Lynn—		Wootton, J.	M.
Alleyne, R. H. N.	M.		
Dodman, A.	M.		
Savage, J. T.	M.		
Weaver, H. J.	A.M.		
Kingston-on-Thames—			
Edgcome, J. E.	M.		
Hilditch, G. W.	G.		
Monro, Lieut. J. D.	A.M.		
Pimm, A. W.	G.		
Prevost, A. T.	G.		
Yerbury, F. A.	G.		
Knutsford—			
Longridge, R. C.	M.		
Lancaster—			
Harling, W.	A.M.		
Shackelford, W. C.	M.		
Tester, W. A.	A.M.		
Leamington—			
Bower, J. W.	M.		
Main, G. P.	A.M.		
Leeds—			
Abel, W. R.	A.M.		
Atherton, E. S.	A.M.		
Bailie, J. D.	M.		
Baxandall, R. F.	A.M.		
Beanland, F.	A.		
Beaumont, Prof. R.	M.		
Bentley, P.	A.M.		
Benton, W. J.	M.		
Berry, H.	M.		
Blackburn, G. W.	M.		
Boorman, J. A.	M.		
Bottomley, J. W.	M.		
Bowler, T.	M.		
Bruce, R. A.	M.		
Burn, G. F.	A.M.		
Butler, E.	M.		
Butler, H. M.	M.		
Campbell, A.	M.		
Campbell, E. W.	A.M.		
Campbell, J.	M.		
Clark, E. K.	M.		
Close, H. A.	A.M.		
Daniel, W.	M.		
Davy, D.	A.M.		
Denison, S.	M.		
Dickinson, H.	M.		
Dougill, A.	A.M.		
Edwards, J. G. B.	A.M.		
Evers, J. H.	M.		
Fowler, R. H.	M.		
Gauvain, W. P.	G.		
Gearing, E. G.	M.		
Goodman, Prof. J.	M.		
Leeds (cont.)—			
Graham, J.	M.		
Graham, M.	M.		
Greaves, H. J.	A.M.		
Greaves, W.	M.		
Green, T. W.	M.		
Green, W. P.	M.		
Greenwood, A.	M.		
Grover, F.	M.		
Grunwell, H.	M.		
Hamilton, G. C.	M.		
Harcourt, O. S. H.	M.		
Hartnell, W.	M.		
Hinchliffe, G. W.	A.M.		
Holgate, C. H.	M.		
Holland, B. A.	A.M.		
Hudson, R.	M.		
Hunter, J.	M.		
Jackson, T.	M.		
James, C. W.	M.		
Jeffreys, E. H.	M.		
Jennings, H. H.	M.		
Jepson, J. T.	M.		
Johnson, F. A.	A.M.		
Johnson, W. W.	A.M.		
Jukes, J. W.	A.M.		
Kenrick, A., Jun.	A.M.		
Kitson, Sir J.	M.		
Kremnitz, H.	A.M.		
Lambert, H.	M.		
Lane, F. L.	M.		
Lawson, F. W.	M.		
Leisse, G. C.	M.		
Lightfoot, K.	G.		
Lupton, Prof. A.	M.		
Lupton, H.	M.		
Lupton, N. D.	A.M.		
Lupton, W. W.	M.		
Mason, J. F.	A.M.		
McLaren, H.	M.		
McLaren, J.	M.		
McLaren, J. A.	M.		
Meysey-Thompson,			
A. H.	M.		
Middleton, R.	M.		
Morrison, R. P.	M.		
Musgrave, J. R.	M.		
Myers, H. S.	M.		
Parr, G. D. A.	A.M.		
Pepper, J. E.	M.		
Reay, T. P.	M.		
Reading, W.	A.M.		
Richardson, J.	M.		
Scriven, C.	M.		
Sinclair, H.	M.		
Smith, F. H.	A.M.		
Smith, T.	M.		
Somers, R. M.	A.M.		
Talbot, B.	M.		
Tannett-Walker, A. T.			
Towler, A.	M.		
Wallis, G. P.	M.		
Wardle, E.	M.		
Watney, T. S.	M.		
Watson, G.	M.		
Watson, J. F.	M.		
Wheeler, O.	A.M.		
Whitehouse, E. E. J.	M.		
Wicksteed, J. H.	M.		
Wigram, W. G.	A.M.		
Wilson, T. S.	M.		
Woodhouse, W. B.	A.M.		
Wyvill, F. C.	M.		

Liverpool (cont.)—

Hele-Shaw, Prof. H. S. M. M.
Hepburn, G. M.
Holmes, G. N. G.
Honiball, C. R. M.
Hope, A. A.M.
King, W. M.
Lambert, W. F. M.
Layborn, D. M.
Leonard, P. A.M.
Mansfield, A. A.M.
Melville, W. C. M.
Miller, T. L. M.
Mindo, A. W. M.
Monkhouse, F. L. A.M.
Muckley, W. H. M.
Musker, A. M.
Musker, C. M.
Neachell, E. J. A.M.
O'Brien, B. T. M.
Owens, P. R. M.
Page, J. H. A.M.
Parry, A. M.
Price, W. F. A.M.
Prockter, G. H. A.M.
Roberts, H. J. M.
Salter, J. R. A.M.
Scott, F. M. M.
Scott, W. G. M.
Shield, H. M.
Sloan, R. A. M.
Smith, J. R. M.
Snoxell, G. E. M.
Steel, T. J. A.M.
Taylor, W. A.M.
Thomas, J. M. M.
Thompson, W. P. M.
West, C. H. M.
West, H. H. M.
Woodger, P. B. A.M.
Woods, A. R. T. M.
Wyles, D. M.
Wyllie, J. M.
Young, F. W. M.

LONDON—

Abady, J. M.
Abel, C. D. M.
Accles, W. S. M.
Acfeld, W. C. A.M.
Acland, Captain F. E. D. M.
Adams, H. M.
Adams, J. D. A.M.
Adams, W. J. M.
Adams, W. J. G.
Adamson, C. J. M.
Adiansewich, A. V. A.M.
Aiton, J. A. M.
Alexander, J. G. A.M.
Allen, C. E. A.
Allensby, C. R. G.
Amos, E. C. M.
Amos, H. C. A.M.
Anderson, E. A.M.
Anderson, J. R. M.
Andrew, S. E. A.M.
Anson, F. H. M.
Appleby, T. D. H. G.
Armer, J. M.
Armytage, J. H. A.M.
Arnold, F. N. A.M.
Arnold, W. M.
Arundel, A. S. D. A.M.
Ash, A. E. M.

London (cont.)—

Ashcroft, A. G. M.
Aston, E. B. S. A.M.
Atkinson, F. A.M.
Atkinson, F. A. M.
Atkinson, H. A.M.
Attack, E. A. M.
Aughtie, H. A.M.
Ault, E. M.
Aveline, W. R. M.
Aveling, R. C. A.M.
Bailey, H. D. A.M.
Baker, A. G.
Baker, Sir B. M.
Baker, G. S. M.
Bale, M. P. M.
Balfour, G. A.M.
Bamber, H. W. M.
Barber, J. W. M.
Barber, T. W. M.
Barker, G. M.
Barker, M. W. M.
Barley, C. J. M.
Barnwell, E. A. G.
Barringer, H. M.
Barry, Sir J. W. M.
Barry, L. C. G.
Bartle, G. W. A.M.
Barton, A. A.M.
Bartram, H. A. A.M.
Bateman, J. T. M.
Baynes, J. M.
Beale, B. R. M.
Beale, S. R. G.
Bear, M. M. A.M.
Beard, A. C. M.
Beaumont, W. W. M.
Beck, A. E. A.M.
Beck, W. H. M.
Begbie, S. D. M.
Beldam, A. M.
Bell, C. S. A.M.
Bell, R. A. G.
Beisham, M. M.
Bennett, F. E. G.
Bennett, F. W. A.M.
Bennett, H. A. D. A.M.
Bennett, M. H. A.M.
Bennett-Powell, P. G. G.
Bentley, T. S. A.M.
Berchem, A. H. E. M.
Best, F. E. M.
Bevan, I. A.M.
Bicknell, A. C. M.
Bilbie, J. M.
Billinton, P. R. G.
Bing, H. A.M.
Binnie, Sir A. R. M.
Bird, G. M.
Birkett, H. M.
Black, P. B. M.
Blaxtor, A. P., Jun. M.
Bliss, B. A.M.
Blundstone, S. R. M.
Boden, A. L. A.M.
Bonniwell, P. O. A.M.
Boot, J. N. A.M.
Booth, R. M.
Boreham, G. H. G.
Boulding, S. M.
Boult, A. J. M.
Boult, E. F. G.
Boulton, C. V. G.
Boulton, J. H. A.M.
Bousfield, J. E. M.

London (cont.)—

Bouts, T. A.M.
Bowden, J. A.M.
Bown, C. H. A.M.
Box, W. L. A.M.
Boyd, G. W. A.M.
Bradley, J. W. M.
Bradney, W. M.
Brand, W. D. G.
Bremner, D. A. M.
Bremner-Davis, W. J. A.M.
Brewer, E. G. A.M.
Brewer, R. W. A. A.M.
Brewster, E. H. G. M.
Briggs, R. A. A.M.
Brock, C. W. H. M.
Brock, D. T. G.
Brooks, H. G. A.M.
Brophy, M. M. M.
Brotherhood, S. A.M.
Brousson, R. P. G.
Browett, T. M.
Brown, A. M.
Brown, E. F. A.
Brown, H. M.
Brown, H. A.
Brown, J. C. M.
Brown, J. F. M.
Brown, O. M.
Brown, T. E. B. A.M.
Bruce, Sir G. B. M.
Bruce, J. G. G.
Bruce, R. M.
Brunlees, J. M.
Bryan, W. B. M.
Buckham, G. T. M.
Budding, B. H., Jun. A.M.
Bull, R. F. A.M.
Bullmore, A. W. E. A.M.
Bullock, R. C. A.M.
Burford, H. G. A.M.
Burnes, T. M.
Burstall, E. K. M.
Burstall, H. R. J. M.
Burt, G. M.
Burt, T. R. A.M.
Butcher, M. H. M.
Butler, E. M.
Button, J. W. A.M.
Caiger, E. J. M.
Calderwood, W. A.M.
Callan, W. M.
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Campbell, C. G. G.
Campbell, D. M.
Campbell, R. M. M.
Camps, H. E. J. M.
Capito, C. A. A. M.
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Cardew, S. R. A.M.
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Carr, H. O. A.M.
Carr, R. A. M.
Carr-Gomm, M. C. G.
Carrod, H. A.M.
Castle, F. A.
Castle, F. G. A.
Caswell, S. J. M.
Cater, J. M. A.M.
Cawley, G. M.
Chabot, V. H. G.
Chadwick, O. M.
Chalmers, G. M.

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Chapman, L.	M.	Davson, S. F.	A.M.	Eugster, O.	G.
Chatfeild Clarke, L.	M.	Davy, W. J.	M.	Evans, A. G.	M.
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Clare, E.	A.M.	Day, C. A. S.	A.M.	Everson, F. C.	A.M.
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Clemence, W.	A.M.	Dennis, G. S.	A.M.	Farrar, S. H.	M.
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Cole, H. A. B.	M.	Donaldson, P.	M.	Flannery, Sir J. F.	M.
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Cooper, W. J.	A.M.	Drayton, T. J. B.	G.	Fox, F. J.	A.M.
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Cotsworth, H. G.	A.M.	Drew, A.	M.	Frankau, G. N.	G.
Cotton, C. C. C.	M.	Drown, A. E.	G.	Fraser, F. H.	A.M.
Coueslant, L. D.	A.M.	Drummond, D.	M.	Fraser, J. H.	M.
Coulson, H. E.	A.M.	Drummond, G. W.	M.	French, F. C.	A.M.
Courtney, F. S.	M.	Dudin, H. W.	M.	Frost, H. M.	A.M.
Cowper-Coles, S. O.	M.	Duncan, J.	A.M.	Fryer, J. E. G.	A.M.
Crawford, W. W.	M.	Duncan, M. G.	G.	Fuller, C. F.	M.
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Crewe, H. T.	M.	Dunell, G. R.	M.	Gale, R. H.	A.M.
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Crohn, F. W.	M.	Dunlop, J.	M.	Garrard, C. R.	M.
Crompton, Lt.-Col. R.	E. B.	Dunlop, P.	M.	Garratt, E. A.	A.M.
Crosland, D. W.	A.M.	Dunton, E. W.	A.M.	Garrett, J. D.	A.M.
Crow, L.	A.M.	Durston, Sir A. J.	M.	Garvey, R. G. H.	M.
Cruttwell, G. E. W.	M.	Eastlake, A. W.	A.M.	Garvie, J.	M.
Cummins, R. E.	A.M.	Easton, E.	M.	Gass, J.	M.
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Cunningham, P. D. G.	A.M.	Echevarri, J. T. W.	M.	Geach, L. C.	A.M.
Cust, L.	A.M.	Edge, T.	A.M.	Gentry, B. S.	A.M.
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Cutler, G. B.	M.	Edwards, F.	M.	George, J. W.	A.M.
Cutler, G. B., Jun.	G.	Ekin, T. C.	M.	Gibb, A.	M.
Cutler, S.	M.	Ellington, E. B.	M.	Gibbons, N. B.	G.
Cutler, S., Jun.	M.	Ellington, G.	A.M.	Gilchrist, P. C.	M.
Dalby, Prof. W. E.	M.	Ellis, R. E.	M.	Gill, C.	M.
D'Alton, P. W.	M.	Ellis, W. F. W.	M.	Girdwood, W. W.	M.
Dania, G.	M.	Ellison, J.	A.M.	Glasgow, A. G.	M.
Darbshire, J. E.	M.	Elmer, J. J.	M.	Glen, D. C.	M.
Darker, A. H.	A.M.	Elphinstone, G. K. B.	M.	Godfrey, W. B.	M.
Davey, E. E. G.	A.M.	Elwin, C.	M.	Golby, F. W.	A.
Davey, H.	M.	Embleton, C. A.	A.M.	Golding, H. A.	A.M.
Davies, E. A.	G.	Enock, A. G.	A.M.	Golledge, W. T.	A.M.
Davies, E. J. M.	M.	Enock, J. K.	G.	Goodrich, W. F.	A.
Davies, F. E.	A.M.	Epps, L. G. J.	A.M.	Goodwin, A. B.	M.
		Erichsen, F. O.	M.	Gordon, A.	M.
		Espeut, R. W. A.	A.M.	Gordon, C. W.	A.M.

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Gordon, J. W.	A.M.	Henriques, C. Q.	M.	Johnston, L.	A.M.
Gore, H. R.	A.M.	Herbert, C.	M.	Jones, C.	A.M.
Gorman, W. A.	M.	Herbert, G. H.	M.	Jones, F. H.	A.M.
Goulding, B. J. J.	A.M.	Hernu, A. H.	M.	Jones, H. E.	M.
Graham, C. K.	M.	Hervey, C.	A.M.	Jones, M. G.	M.
Graham, W. V.	M.	Heward, S. E.	A.M.	Jones, S. H.	A.M.
Graves, L. P.	G.	Hickinbotham, W. T.		Jones, S. J.	G.
Gray, J. M.	M.		A.M.	Jones, T. M.	A.M.
Gray, T. L.	M.	Hildred, C. W.	M.	Jones, W. E.	A.M.
Green, E. W.	M.	Hill, A. J.	M.	Jones, W. R. S.	M.
Greene, F. A.	A.M.	Hill, J.	A.M.	Jordan, F. W.	G.
Greenwood, F. G.	G.	Hill, W. C.	A.M.	Justice, H. R.	M.
Gregory, H. G.	G.	Hitchcock, C.	M.	Kay, E. E.	A.M.
Grew, F.	M.	Hitchens, C. F.	M.	Kekewich, G. O.	M.
Grierson, H. F.	A.	Hobbs, C. J.	M.	Kennedy, Prof.	
Griffith, P.	M.	Hodge, A.	M.	A. B. W.	M.
Griggs, J. W.	G.	Hodges, F. W.	M.	Kensington, F.	M.
Grinley, W. R. N.	A.M.	Hodgson, C.	M.	Kentish, H.	A.M.
Gulland, J. K.	M.	Hodgson, E.	M.	Kerr, J. B.	A.M.
Gwynne, J.	M.	Hodgson, H. E.	G.	Kerr, W. S.	A.M.
Haggard, P. L.	G.	Hodson, F. H.	A.M.	Kett, G.	M.
Hailey, F. P.	A.M.	Hodson, H. M.	A.M.	Kilroy, W. D.	A.M.
Haler, P. J.	A.M.	Hodson, R. C.	G.	Kimber, H. W.	A.M.
Hall, B. J.	A.M.	Holden, J.	M.	King, B. T.	A.
Hall, J. E.	A.M.	Holman, H. W.	M.	King, C. P.	M.
Hall, J. P.	M.	Holthouse, C. S.	G.	Kirk, P. R.	A.M.
Halpin, D.	M.	Homan, B. van	G.	Kirkaldy, J.	M.
Ham, F. G. S.	A.M.	Homfray, S. G.	M.	Kirkaldy, W. G.	M.
Hammond, R.	M.	Hooker, B.	M.	Kirlew, R. L. Jun.	G.
Hanbury, J. J.	M.	Horsley, C.	M.	Kitsell, A. E.	A.M.
Hancock, P. B.	G.	Hornsell, D.	M.	Knap, C.	M.
Hardie, E. P.	A.M.	Hornsell, T.	G.	Knight, C. A.	M.
Hardingham, G. G. M.	M.	Hough, E. S.	M.	Knight, J. P.	M.
Hardwick, E. J.	A.M.	Howard, C.	A.	Knowles, G. J. F.	G.
Harfield, W. H.	M.	Howard, E.	M.	Knowles, T.	G.
Harker, W.	M.	Howard, H. F.	M.	Lacy-Hulbert, C. E.	A.M.
Harrap, G. T.	M.	Howell, E. J.	A.M.	Laird, A. O.	G.
Harris, A. E.	G.	Howl, F. W.	G.	Laird, S. M.	G.
Harris, G.	M.	Howlett, F.	M.	Lake, W. R.	M.
Harris, H. G.	M.	Hughes, A. M.	G.	Lange, F. M. T.	M.
Harris, L. P.	M.	Hughes, E. S. B.	G.	Larard, C. E.	M.
Harris, W.	M.	Hughes, E. W. M.	M.	Larkin, F. S.	A.M.
Harris, W. W.	M.	Hughes, F. E. H.	A.M.	Latham, B.	M.
Harrison, G.	M.	Hughes, G. H.	M.	Latta, J. G.	M.
Harrison, J.	M.	Hughes, J.	M.	Laubach, P. A.	G.
Harrison, T. H.	M.	Hughes, T. W. R.	M.	Lawson, H. J.	A.M.
Harvey, J.	M.	Hummel, H. J. J.	A.M.	Leaf, H. M.	M.
Harvey, Sir R.	M.	Humphrey, H. A.	M.	Lean, C.	A.M.
Harvey, R.	M.	Humphreys, H. H.	M.	Lee, J. C. F.	M.
Harwood, J. H.	A.M.	Humphrys, R. H.	M.	Lee, W.	G.
Haste, F. C.	A.M.	Hunt, H.	A.M.	Leeds, E. L.	A.M.
Hatch, W. T.	M.	Hunter, W.	M.	Legros, L. A.	M.
Hatfield, K. G. S.	G.	Hussey, F. K. E.	G.	Leonard, R. M.	A.
Hatton, R. A.	G.	Hutchinson, R. J.	A.M.	Leopard, C. W.	M.
Hatton, R. J.	M.	Hutchinson, W. L.	G.	Lester, J. M.	A.M.
Haughton, G. B.	A.M.	Inder, C. J.	A.M.	Lewenz, H. I.	A.M.
Hawes, D. M. A. G.	A.M.	Instone, T.	M.	Licence, A. B. C.	G.
Hawkins, W. B.	M.	Iorns, C. R.	M.	Lidbetter, C. F.	G.
Hawks, N. S.	M.	Ironside, P. H.	G.	Li Foki	G.
Hawksley, C.	M.	Jackson, A. B.	M.	Lightfoot, T. B.	M.
Hawksley, K. P.	M.	Jackson, E.	A.M.	Lindsay, Hon. W.	A.M.
Hayes, H. C.	G.	Jackson, Sir J.	M.	Lindsey-Badcock, W.	A.M.
Hayward, G.	A.M.	Jacobs, C. M.	M.	Lineham, Prof. W. J.	M.
Head, A. P.	M.	Jakeman, C. J. W.	M.	Linscott, A. B.	A.M.
Head, H. E.	M.	James, C. W.	M.	List, J.	M.
Head, W. G.	G.	James, H. H. R.	A.M.	Livesey, Sir G. T.	M.
Headley, H.	G.	James, R. W.	M.	Livingston, J.	M.
Healey, E. C.	M.	Jantzen, P. H. H.	G.	Livock, H. A.	M.
Heard, F. G.	G.	Jeffreys, J.	M.	Livsey, J. E.	M.
Heath, A. M.	M.	Jenkin, B. M.	M.	Lloyd, R. S.	M.
Heath, E. A.	M.	Jenkin, C. J.	A.M.	Lobb, C.	M.
Heath, J. F.	A.M.	Jenkins, R.	M.	Lockhart, W. S.	M.
Heately, H.	M.	Jensen, P.	M.		

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Longland, W. A.M.
Longley, R. A.M.
Longridge, Capt. C. C. M.
Lorrain, J. G. M.
Loughborough, C. A.M.
Low, Prof. D. A. M.
Lucas, A. M.
Lucas, R. A.M.
Lund, J. A.M.
Lyon, A. A. A.M.
MacCarthy, S. M.
Mackail, J. H. A.M.
MacKenzie, J. W. M.
MacKenzie, T. A. A.M.
MacQueen, J. M.
Maginnis, J. P. M.
Main, J. P. S. M.
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Mansergh, J. M.
Mansfield, E. A. M.
Mansfield, J. F. A.M.
Marks, G. C. M.
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Marriner, W. W. M.
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Marsh, C. F. A.M.
Marshall, A. W. M.
Marshall, L. P. A.M.
Marshall, P. A.
Marshall, R. M.
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Martindale, W. B. H. M.
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Maw, H. A.M.
Maw, T. F. G.
Maw, W. H. M.
Maxim, Sir H. S. M.
Mayhew, M. J. A.
Mayo, C. R. A.M.
McCaffery, J. A.M.
McClean, F. M.
McDermott, H. G.
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McLaren, R. L. M.
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Melhuish, F. M.
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Millis, C. T. M.
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Mitchell, J. A.M.
Mitchell, W. G. G.
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Molesworth, Sir G. L. M.
Monkhouse, E. W. M.

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Morris, E. L. M.
Morris, F. S. M.
Morris, R. E. A.M.
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Naylor, J. A. A.M.
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Needham, J. E. M.
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Nesbit, A. W. M.
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Newton, H. E. A.M.
Newton, T. G. M.
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Nichols, H. J. A.M.
Noakes, T. E. M.
Noakes, T. J. M.
Northcott, W. H. M.
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Nutton, H. G.
Ockenden, M. A., Jun. A.M.

O'Donnell, J. P. M.
Ogden, F. M.
Ogg, E. L. G.
Ogle, P. J. M.
O'Gorman, M. A.M.
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Ormsby, A. S. A. M.
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Outram, F. D. M.
Oxlade, H. J. W. M.
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Page, W. C. A.M.
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Parks, W. A. A.M.
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Rofe, W. A.M.
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 E. T. M.
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Selz, R. A.M.
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Sime, W. M.
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Stephens, H. A.M.
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Sterne, L. M.
Stevens, E. C. A.M.
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Stevens, F. H. G.
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Stevenson, H. M.
Stewart, C. A.M.
Still, W. H. M.
Stokes, J. T. A.M.
Stonebridge, A. W. G.
Straker, S. M.
Strickland, F. M.
Sugden, T. M.
Sutton, J. W. M.
Swan, J. W. M.
Swift, J. C. M.
Swinburne, J. M.
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Taite, J. C. M.
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Whittington-Cooper, A. G.
Wicks, H. M.
Wigham, J. C. G.
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Wilding, J. A. A.M.
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Williams, S. V. G.
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Williams, W. F. M. M.
Williamson, E. A.M.
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Wilson, F. A.M.
Wilson, James M.
Wilson, John M.
Wilson, J. W. M.
Wilson, O. S. A.M.
Wilson, R. J. M.
Wilson, R. J. A.M.
Winch, A. B. A.M.
Winebloom, A. V. A.M.
Wingfield, D. C. M.
Winston, H. H. M.
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Worssam, L. H. G.
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Wright, F. T. G.
Wright, H. T. A.M.
Wright, James M.
Wright, Joseph M.
Wright, R. O. A.M.
Wrightson, W. P. M.
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Yarrow, H. E. G.
Young, G. A. A.M.
Young, H. J. A.M.
Young, H. W. A.M.
Young, J. M.

Longton—
Freeman, W. W. A.M.
Mitcheson, G. A. M.

Loe, Cornwall—
Langdon, H. A. W. G.
Langdon, W. M.

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Andrews, F. E. A.M.
Burder, W. C. M.
Coltman, J. C. M.
Coltman, W. W. A.M.
Hoggins, A. F. M.
Jones, G. P. M.
Rixom, A. J. M.
Saynor, L. H. G.
Sharr, F. J. A.M.

Lowestoft—
Brooke, J. W. M.
Knocker, G. S. A.M.

Luton—
Davis, S. M.
Wiseman, E. A.

Lydney—
Goold, W. T. M.

Lytham—
Buckley, J. T. M.
Dixon, J. G.
Rothery, W. B. M.

Maidstone—
Ellis, J. A.M.

Maldon—
Clarke, A. L. A.M.

Manchester—

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Barber, E. W. A.M.
Barlow, A. B. M.
Barningham, J. M.
Baron, F. E. A.M.
Bayliss, W. M.
Bedson, J. P. M.
Benn, S. M.
Beswick, F. A. M.
Bond, J. T. A.M.
Bone, W. L. M.
Boswell, S. M.
Bower, W. N. M.
Bowman, F. H. A.
Bressey, C. E. A.M.
Brooke, R. G. M.
Brooks, S. H. M.
Broughton, F. A.M.
Budenberg, C. F. M.
Burcham, R. E. M.
Burnett, R. H. M.
Buttenshaw, G. E. A.M.
Butterworth, J. M.
Chapman, S. A.M.
Chorlton, A. E. L. M.
Claremont, E. A. M.
Clegg, J. H. A.M.
Constantine, E. G. M.
Cooke, R. T. M.
Cooper, M. M.
Corner, J. F. M.
Courts, W. C. A.M.
Coward, E. M.
Cox, L. M. R. G.
Craven, W. M.
Craven, W. H. S. M.
Crawford, J. M.
Crippin, T. H. M.
Croalend, J. F. L. M.
Crossley, W. J. M.
Cunliffe, R. W. M.
Daniels, G. M.
Davidson, J. A.M.
Davis, G. M.
Eades, J. Jun. A.M.
Ermen, G. A.M.
Ferranti, S. Z. de M.
Flockton, B. P. M.
Forsyth, R. J. G.
Fowler, W. H. M.
Fox, W. M.
Gallé, W. A. A.M.
Galloway, C. J. M.
Gandon, P. G. G.
Goodbehere, E. G.
Green, J. S. A.M.
Handyside, C. B. M.
Hattersley, R. L. M.
Heenan, H. M.
Hepworth-Collins, W. A.M.
Hetherington, E. P. M.
Hibberd, F. C. G.
Higginbotham, G. A.M.
Higginbottom, L. M.
Higson, J. M.
Hiller, E. G. M.
Hiller, H. M.
Hockley, N. J. A.M.
Hodgetts, W. B. A.M.
Homan, H. M.
Hopkinson, C. M.
Hopkinson, E. M.
Howell, T. B. G.
Hoy, H. A. M.

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Hudson, F. J.	M.
Hulley, R. D.	M.
Huxley, G.	M.
Ingham, W.	M.
Ingleby, J.	M.
Irwin, D. H.	M.
Jackson, R. H.	A.M.
Jones, T.	M.
Jordan, H. G., Jun.	M.
Judd, J. H.	M.
Koetter, A.	A.M.
Lewis, G.	M.
Lindley, H.	M.
Lister, A. J.	A.M.
Lister, R. R.	M.
London, W. J. A.	A.M.
Longley, H. B.	A.M.
Longridge, M.	M.
Longridge, R. B.	M.
Loud, H. S.	M.
Mackay, H. J. S.	A.M.
MacLure, W. G. P.	M.
Maenab, T. P.	A.M.
Maitland, D. J.	A.M.
March, S. H.	A.M.
Mason, J. W. V.	A.M.
Massey, H. F.	M.
Massey, L. F.	M.
Mather, Sir W.	M.
Mathewson, J. E.	M.
Matthews, R.	M.
McLean, A. M.	A.M.
McMahon, J. J.	A.M.
Meade, T. de C.	M.
Montgomery, C. H.	A.M.
Moore, W. H.	M.
Morris, J. A.	M.
Murphy, W.	A.M.
Murray, D. J.	G.
Nasmith, J.	M.
Neilson, R. M.	A.M.
Nicholson, E.	G.
Nicholson, H.	M.
Nicholson, R. J.	A.M.
Nixon, C. B.	A.M.
O'Brien, J. O.	M.
Parker, J.	A.M.
Parker, T.	M.
Peacock, F.	M.
Peacock, R.	M.
Pearce, S. L.	M.
Pigott, A.	A.M.
Pilling, H.	M.
Platt, J.	M.
Price, J. B.	M.
Rayner, H. S.	A.M.
Rendell, S.	M.
Renold, H.	M.
Ride, S.	M.
Ritchie, T. E.	A.M.
Roberts, H.	M.
Robertson, G. F.	A.M.
Robinson, J.	M.
Robinson, J. G.	M.
Rosevere, G. R.	A.M.
Row, O. M.	M.
Rowellife, J. A.	A.M.
Royce, F. H.	M.
Roylance, A. H.	M.
Savill, A. S.	M.
Saxon, A.	M.
Saxon, G.	M.
Saxon, J.	M.
Sayers, R. J. H.	M.

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Scarlett, J.	M.
Seaman, C. J.	M.
Sheffield, T. W.	A.M.
Shelmerdine, E. D. S.	G.
Sheriff, J. E.	A.M.
Simpson, W.	A.M.
Smethurst, W.	M.
Speakman, E. M.	G.
Spencer, M.	M.
Spencer, P.	A.M.
Spencer, W.	M.
Sprott, R. E.	M.
Stead, W.	M.
Stevenson, J.	A.M.
Stone, S.	M.
Stromeyer, C. E.	M.
Stubbs, J. H.	M.
Sumner, L.	A.M.
Sumner, W.	M.
Taylor, F. C.	A.M.
Taylor, W. R. C.	A.M.
Teflow, E.	M.
Thorneley, W.	M.
Turner, A.	M.
Urie, J. B.	A.M.
Urquhart, R. J.	A.M.
Vaughan, W. H.	M.
Vernon, H.	A.M.
Wallwork, R.	M.
Wells, G. J.	M.
West, J.	M.
Whitehead, J. P.	A.M.
Whitehead, T.	M.
Williams, Sir E. L.	M.
Williams, V. I. N.	G.
Wollaston, T. R.	M.
Wood, W. A.	A.
Worthington, S. B.	M.
Worthington, W. B.	M.
Yates, J.	M.
Yates, W.	M.
Younghusband, K.	G.

Middlesbrough (cont.)—

Richards, W. G.	A.M.
Stead, J. E.	A.
Westgarth, T.	M.
Middlewich—	
Harlock, E. B.	M.
Millom—	
Vaughan, C.	M.
Milton, Northamptonshire—	
Alexander, E. D.	M.
Morley—	
Sunderland, W.	A.M.
Morpeth—	
Tulip, W.	G.
Newark—	
Abbott, T.	M.
Asbury, G. E.	M.
Bott, W. S.	A.M.
Josselyn, E.	A.M.
Owston, W. H.	A.M.
Ransome, A.	M.
Slater, J. G.	M.
Yates, D. R. M.	A.M.
New Brompton—	
Chalmers, A. D.	A.M.
Newburn—	
Allan, G., Jun.	A.M.
Newbury—	
Atkinson, R. C.	G.
Newcastle-on-Tyne—	
Arkwright, B. G.	M.
Baker, H. H.	A.M.
Bennett, H. B.	G.
Billetop, T. C.	M.
Black, W.	M.
Browne, Sir B. C.	M.
Browne, B. C., Jun.	M.
Carr, W. S.	M.
Clatworthy, W. A.	A.M.
Claughton, G.	A.M.
Coote, A.	M.
Dalton, W. T.	A.M.
Fletcher, W.	M.
Forster, A. L.	M.
Hedley, R.	M.
Hedley, W. S.	A.M.
Holmes, J. H.	M.
Holmes, R. J. M.	A.M.
Hunter, G. L.	M.
Jameson, J.	M.
Lawrence, H.	M.
Laws, W. G.	M.
Mackosack, H.	G.
Marshall, F. T.	M.
Millar, T.	M.
Mountain, W. C.	M.
Orde, E. L.	M.
Phillipson, J.	G.
Philipson, W.	G.
Proctor, C. F.	M.
Ridley, J. C.	M.
Ridley, J. C., Jun.	A.M.
Rolf, G.	A.M.
Scott, E.	G.
Scott, W.	A.
Sheffield, G. H.	M.
Smith, W.	M.
Spencer, J. W.	M.

Newcastle-on-Tyne—	Nottingham (cont.)—	Poole—
(cont.)—	Smith, H. W. A.M.	House, H. A., Jun. M.
Swan, H. A. G.	Smith, I. M.	Scanlan, H. E. A.M.
Swinburne, M. W. M.	Smith, J. B. M.	
Taverner, H. L. A.M.	Taylor, J. M.	
Trail, J. M.	Taylor, W. M.	
Tweedy, J. M.	Turner, T. N. M.	
Twibberrow, J. D. M.	Turney, Sir J. M.	
Wallace, J. M.	Wardle, F. H. A.M.	
Watson, H. B. M.	Westmoreland, J. W. H. M.	
Watson, T. J. M.	Wright, T. M.	
Watson, W. C. M.		
Westmacott, H. A. M.		
Westmacott, P. G. B. M.		
Young, J. M.		
Younger, R. M.		
Newhaven—	Nuneaton—	Potters Bar—
Fisher, H. B. M.	Shaw, W. C. A.M.	Fife, F. G. G.
Newport, Essex—	Old Charlton—	Prescot—
Macallan, G. M.	Macgregor, A. J. G.	Barty, A. D. A.M.
New Shildon—	Paterson, S. A.M.	Hollingsworth, B. G.
Copperthwaite, R. A. M.	Tunley, P. J. A.M.	Tennant, J. A.M.
Newton Abbot—	Oldham—	Preston—
Geen, H. A.M.	Charlesworth, S. M.	Adams, D. A.M.
Giles, B. M.	Dodd, J. M.	Bowman, H. M.
Russell, W. R. A.M.	Dronsfield, J. A.M.	Bowman, H. E. G.
Northampton—	Dronsfield, W. M.	Carwin, J. W. A.M.
Grose, A. M.	Hall, H. P. M.	Conner, J. M.
Mobbs, H. G.	Howarth, W. M.	Dryden, T. M.
Moncrieff, R. W. A.M.	Mannock, J. J. A.M.	Dryden, W. A.M.
Northfleet—	Taylor, R., Jun. M.	Haigh, N. N. M.
Jeff, W. A.M.	Whittaker, J. M.	Handy, C. E. A.M.
Northwich—	Oswestry—	Iddon, J. M.
Boyd, W. A.M.	Jones, H. E. M.	Newton, G. H. G.
Cook, J. G.		Norris, W. M.
Hollows, A. A.M.		Viney, H. G.
Yarwood, W. J. M.		
Northwood—	Oxford—	Reading—
Schultz, G. C. G.	Lucy, W. T. M.	Binns, W. A.M.
Norwich—	Penryn—	Brown, G. W. M.
Banister, A. N.. M.	Donald, D. B. M.	Cooper, A. T. A.M.
Howard, H. J. G.		Meaden, N. M.
Pillow, E. M.		Routh, W. P. M.
Nottingham—	Penzance—	Stedman, G. P. W. A.M.
Ahrons, E. L. M.	Corin, P. B. M.	Stephenson, G. R. M.
Alliott, J. B. M.	Holman, F. M.	Sutton, H. R. A.M.
Bexon, R. A. G.		
Bond, G. C. M.		
Cleaver, A. M.		
Cowen, E. S. M.		
Cowen, G. R. M.		
Crosta, L. W. M.		
Fowler, G. M.		
Goodall, F. H. G.		
Hind, E. A.		
Hodgson, W. J. G.		
Hughes, G. D. M.		
Hunt, W. M.		
Johnson, S. W. M.		
Kay, G. M.		
Meggitt, G. T. A.M.		
Meredith, J. M.		
Miller, J. S. M.		
Mills, G. P. M.		
Paton, J. M. C. M.		
Phillips, J. A.M.		
Potter, W. H. M.		
Reader, R. M.		
Robinson, Prof. W. M.		
Sheldon, H. C. M.		
Plymouth—	Pinney—	Redditch—
Back, A. C. L. M.	Inglis, W. R. H. A.M.	Smith, R. W. M.
Hoyle, P. S. A.M.		
Neal, R. H. B. A.M.		
Westacott, P. G.		
Whitelock, W. H. A.M.		
Polegate—	Plymouth—	Retford—
Gwynne, J. E. A. M.	Back, A. C. L. M.	Jenkins, W. J. M.
	Hoyle, P. S. A.M.	
	Neal, R. H. B. A.M.	
	Westacott, P. G.	
	Whitelock, W. H. A.M.	
Ponders End—	Polegate—	Richmond, Surrey—
Morris, W. E. G.	Gwynne, J. E. A. M.	Ormerod, R. O. M.
Rochford—	Plymouth—	Rochdale—
Hollick, A. S. A.M.	Back, A. C. L. M.	Backhouse, J. A.M.
	Hoyle, P. S. A.M.	Bridge, A. G. A.M.
	Neal, R. H. B. A.M.	Carter, F. A.M.
	Westacott, P. G.	Fielden, J. P. M.
	Whitelock, W. H. A.M.	Kershaw, G. A.M.
Rochester—		Liebert, H. A. M.
Aveling, T. L. M.		Moffet, J. S. D. A.M.
Cheeseman, A. B. E. G.		Pickles, T. S. G.
Marks, G. C. A.M.		Porritt, L. A. M.
Neate, P. J. M.		Robinson, C. J. M.
Senior, G. G.		Robinson, T. N. M.
Watson, J. B. M.		Wilkinson, F. A.M.

Rotherham—

Baker, E. G.
Baker, H. G.
Chrimes, C. E.
Dick, F. W.
Dyson, R.
Foster, R. J.
Green, T.
Jenkins, E. J.
Wilson, J. C.
Winstanley, F. A.

A.M.
A.M.
A.
M.
M.
G.
M.
G.
A.M.
A.M.

Salford (cont.)—

Larmuth, W. O.
Morris, J.
Oliver, T.
Shaw, J.
Smith, R. A.
Trafford, A.
A.M.
Widdowson, J. H.
Woods, W. H.

M.
M.
M.
M.
M.
A.M.
M.
M.

Sheffield (cont.)—

Meggitt, S. N.
Miller, W. T. W.
Moore, N. S.
Newton, S. B.
Ockendon, W.
Osborn, W. F.
Palmer, A.
Platts, W.
Radcliffe, W.
Radford, R. H.
Ripper, Prof. W.
Sandeman, E.
Sawyer, C. P.
Seager, F. P.
Simpkin, F. H.
Stockton, J. S.
Suffield, C. A.
Talbot, E.
Thompson, H.
Tozer, E. S.
Unwin, M. E.
Vickers, A.
Vickers, T. E.
Warbrook, F. G.
Ward, S. A.
Webster, A. G.
Whale, R. A.
Wild, A. G.
Williams, J. R.
Wilson, Sir A.
Wilson, D. E.
Winder, C. A.
Wood, S.
Yardley, W. H.
Yerbury, H. E.
Young, S. J.

Rugby—

Blyth, E. B.
Briggs, E. R.
Butcher, W. E.
Cash, E. W.
Cooke, F. W.
Fox, E. J.
Gooding, E.
Izod, E. G.
Jackson, R. C.
Lazenby, A.
Lewis, F. W.
Ormsby, E. S.
Robinson, M. H.
Sankey, Captain H. R.
Wingfield, C. H.

A.M.
A.M.
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A.M.
A.M.
M.
M.
M.
A.M.
M.
M.

Saltburn-by-the-Sea—

Kortright, P. F.
MacCurrach, D. C.

A.M.
A.M.

Scarborough—

Brodgen, T.

M.

Sevenoaks—

Hammond, W. J.
Humphrey, F. G.

M.
A.M.

Sheerness—

Jacobs, Lieut. J. J.
Thompson, D. J. H.

M.
G.

Sheffield—

Addy, G.
Alcock, A. E.
Alleard, H.
Allen, W. E.
Askham, J. U.
Askham, P. U.
Bainbridge, E.
Bashforth, A.
Beck, I.
Beckett, J. E.
Bennison, W. C.
Bland, F.
Boulden, F.

M.
A.M.
M.
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G.
A.
M.
A.M.

Sheffield—

Carnegie, D.
Cleland, W.
Cook, G. N.
Cooper, H.
Cowen, G. H.
Craven, J. A.
Crosland, J.
Davidson, A.
Dewhurst, J. H.
Fawcett, P. W.
Fedden, S. E.
Felli, A. L. C.
Firth, A.
Fletcher, J. E.

M.
M.
G.
M.
A.M.
M.
M.
M.
M.
M.
A.M.
M.
M.
A.M.

Shifnal—

Trench, W. C. P.

G.

Shipley, Yorks.—

Asquith, W. G.
Burton, C. K.
Parkinson, E.
Parkinson, J.

A.M.

G.

A.M.

M.

Shoreham—

Stow, G.

A.M.

Shrewsbury—

Johnston, C. M.

A.M.

Slough—

Foster, E.
Foster, G.
Fryer, T. J.
Gibbons, J. E.
Hadfield, R. A.
Halcomb, S. B.
Hartley, W. A.
Hawkesley, C. W.
Hawkesley, G. W.

G.
A.
A.M.
A.M.
M.
M.
M.
A.M.
M.

A.M.
A.M.
M.
A.M.
M.
M.
M.
A.M.

Snodland—

Taylor, T.

A.M.

Southall—

Asplen, B.
Sanders, H. C.

M.

M.

Southampton—

Bosley, W. J.
Burnand, A. H.
Mayes, H.
Tebbutt, S.
Wallau, F. P.
Whitby, A. G.
Wimshurst, J. E.

A.M.

A.M.

A.M.

M.

M.

South Bank—

Evans, D.

M.

St. Albans—

Okes, J. C. R.
Peake, R. C.

M.
A.

St. Anne's-on-Sea—

Walsh, T.

A.M.

St. Helens, Lancs.—

Brearley, B. J.
Cook, J. J.
Daglish, H. B.
Hollingsworth, E. M.

M.
M.
M.
A.M.

Hyde, G.

A.M.

Jenkinson, T.

M.

Lackland, J. J.

M.

Smith, W.

M.

Swallow, J.

A.M.

West, L.

M.

St. Ives—

Trueman, T. B.

M.

Wylie, R. C.

G.

St. Just—

Williams, N. T.

M.

St. Leonards-on-Sea—

Ball, C. S.

A.M.

Salcombe—

Halstead, A. F.

M.

Salford—

Adams, E.
Bailey, Sir W. H.
Bates, H.
Coventry, T.
Donovan, E. W.
Gresham, H. E.
Gresham, J.
Hodgson, W.
Kiernan, G.
Larmuth, J. H.

M.
M.
A.M.
A.M.
M.
M.
M.
M.
M.
A.M.

Southend-on-Sea—		Stroud, Glos.—		Tipton—
Elford, E. J.	M.	Alder, G. F.	A.M.	Chamberlain, J. G.
Hutchison, P.	G.	Cowher, G.	A.M.	Chambers, E. H.
Knottesford-Fortescue, J. N.	A.M.	Jones, S. G.	M.	Chambers, E. J.
		King, H. J. H.	A.M.	Howl, E.
		Platt, F. J.	M.	
South Godstone—		Sargeant, E. F.	M.	Tonbridge—
Tartt, W.	M.	Smith, T. G.	M.	Crofts, J. C. T.
Southport—				
Hamer, W.	M.	Sunderland—		Torquay—
Hilton, F.	M.	Armstrong, W. I.	M.	Coombes, T.
Morrin, R.	M.	Clark, G.	M.	Houghton, J. C. A.
Prockter, F. M.	A.M.	Dale, J.	M.	Storey, P.
South Shields—		Dickinson, J. C.	M.	
Bithel-Jones, H.	A.M.	Dickinson, J.	M.	Totteridge—
Readhead, R.	M.	Doxford, R. P.	M.	Newman, W. H.
Sowerby Bridge—		Meriton, T. H. R.	M.	Tunbridge Wells—
Milligan, W. S.	M.	Mills, W.	M.	Crowther, H.
Pollitt, E. E.	M.	Moore, J. F.	A.M.	Salomons, Sir D. L.
		Rickaby, A. A.	M.	Schmidt, F. A.
Stafford—		Snell, J. F. C.	M.	
Aston, R. G.	G.	Thompson, R. C.	M.	Twickenham—
James, H. H.	M.	Wake, H. H.	M.	Stenning, H. A.
Jenkin, C. F.	M.	Warren, W.	M.	
Rix, G.	A.M.			Tynemouth—
Stalybridge—		Surrey—		Shepherd, J.
Hudson, W.	M.	Surbiton—		
Weston, W. N.	A.M.	Harris, R. H.	M.	
Stamford—		Marten, H. B.	G.	
Blackstone, E. C.	M.	Medley, C. P.	A.M.	
Hayward, T. W. A.	M.	Wrinch, H. E. H.	A.M.	
Stockport—				Uxbridge—
Atkinson, J.	M.	Sutton, Surrey—		Salis, H. R. de
Bellamy, A. R.	M.	Robins, G. M.	M.	
Catmur, T. S.	A.M.	Saye, K. N.	G.	
Chorley, R.	A.M.	Young, W.	A.M.	
Harlow, B. S.	A.M.			Wakefield—
Horsfield, R.	M.	Swanscombe—		Chiilde, H. S.
Pearson, H.	A.M.	Anderson, H.	M.	Green, Sir E.
Taylor, E., Jun.	M.	Cheffins, H. W. J.	A.M.	Longbotham, R. H.
Taylor, J.	M.			Radcliffe, A. E.
Stockton-on-Tees—		Swindon—		Vernon, W. H.
Allan, G.	M.	Browne, W. R.	A.M.	
Anderson, W.	M.	Burge, R. L.	G.	Walberswick—
Beard, B.	M.	Churchward, G. J.	M.	Goult, W. R.
Clark, H.	M.	King, H. C.	M.	
Dunn, M.	M.	Loveridge, A. W.	A.M.	
Harrison, N. S. A.	G.	Morgan, H. F. S.	G.	
Warner, A. W.	A.	Roberts, T.	A.M.	Wallingford—
Wrightson, Sir T.	M.	Shepherd, J. H.	G.	Duvall, C. A.
Stoke-on-Trent—		Thomas, L. R.	M.	
Adams, J. H.	M.	Waister, W. H.	M.	Walsall—
Shaw, J.	A.M.	Williams, W. H.	M.	Bullock, J. H.
Wainford, R. H.	M.	Wright, F. G.	M.	Lunt, C. T.
Stonehouse, Glos.—				Marshall, T.
Meyrick-Jones, L. M.	A.M.	Tamworth—		Talbot, W. J.
		Willis, E. T.	M.	
Stony Stratford—				Walton-on-Thames—
Bull, T. P.	A.M.	Taunton—		Cruickshank, G. S.
Hayes, E.	M.	Barker, L. C.	A.M.	Hill, J. K.
Stourbridge—				
Attwood, J.	M.	Teddington—		Ware—
Cleverly, W. B.	A.M.	Anderson, H. W.	M.	Peckett, A.
Jones, W.	M.	Chatfield, K. R.	G.	
Marten, E. B.	M.	Thompson, J. A.	G.	Warrington—
Stourport—				Atherton, T.
Baldwin, A.	M.	Thetford—		Baker, H.
Lloyd, S. Z.	M.	Burrell, C. Jun.	M.	Bleckly, J. J.
Lucy, A. J.	M.	Burrell, C. W. W.	G.	Deas, J.
		Cobbold, T. E.	G.	Dixon, R.
		Millington, F. H.	M.	Massey, E.
		Wilson, E. M.	G.	Monks, F. W.
		Wilson, W. C.	M.	Neil, A.
Thirsk—				Purse, F. W.
		Bamlett, A. C.	M.	Watson, J.
Warwick—				
				Hewlett, A.

Watford—		Weymouth—		Wolverhampton (cont.)—	
Blackburn, J.	M.	Powell, E. B.	A.M.	Thompson, J.	M.
Rogers, H. J.	M.			Thompson, S. J.	A.M.
Smith, G. A.	G.				
Wednesbury—		Whitechurch, Salop—		Wolverton—	
Hawkesworth, F. S.	A.M.	Bacon, E. L.	G.	Mason, C. L.	G.
Horton, E.	M.			Park, C. A.	M.
Horton, L. W.	A.M.				
Leach, R. W.	A.M.			Wooburn—	
Micklewright, W.	M.			Harris, W. R. A.	A.M.
Platt, F.	M.			Woodford, Northants—	
Platt, I.	M.	Brown, B.	M.	Clarke, L. T.	A.M.
Smallman, H. S.	M.	Duff, E. J.	M.		
Spencer, J.	M.	Gaskell, H. Jun.	A.M.	Woolwich—	
Spencer, T. H.	M.			Angas, A. S.	M.
Thomas, H. R.	A.M.			Ashton, H. T.	M.
Williams, R.	M.			Brown, W.	M.
Wellingborough—		Wigan—		Carnegie, F.	A.M.
Mather, G. R.	M.	Geach, F. S.	M.	Carnegie, W.	A.M.
Wellington, Salop—		Percy, F.	A.M.	Dean, F. W. C.	M.
Groom, R. A.	M.	Ross, J.	M.	Donaldson, H. F.	M.
Kidd, J. W.	A.M.	Walker, E. R.	M.	Heap, R. D. T.	M.
Pointon, J. E.	A.M.	Walker, J. S.	M.	Ledingham, J. M.	M.
Taylor, H. L.	G.			Naylor, J. H.	A.M.
Wellington, Somerset—		Winchester—		Pirie, G.	M.
Sparkes, S. H.	M.	Haines, C. J.	M.	Ryan, Dr.	M.
West Bromwich—		Windsor—		Travis, H.	M.
Braithwaite, R. C.	M.	Holden, P.	G.	Trayte, W. G.	G.
Bunn, C. W.	A.M.	Newton, P.	M.	Worcester—	
James, A. A.	A.	Willis, G.	A.M.	Minors, E.	G.
Kenrick, G. H.	M.			Urwick, A. J.	M.
Kenrick, J. A.	M.			Wood, S. P.	M.
West Hartlepool—		Wolverhampton—		Workington—	
Dawson, J. E.	A.M.	Anslow, D.	A.M.	Kirk, H.	M.
Fothergill, J. R.	M.	Berrington, E. E. W.		Milburn, J.	M.
Robinson, I. V.	G.			Price, J.	M.
Williams, J. B.	M.	Britten, T.	A.M.	Williamson, R.	M.
Withy, H.	M.	Bulkeley, G. V. O.	G.	Yeovil—	
Wright, A. R.	G.	Darby, A. E.	A.M.	Petter, P. W.	A.M.
West Malling—		Down, P. B.	A.M.	York—	
Bowker, A. F.	M.	Fellows, T. E.	A.M.	Close, J.	M.
Chittenden, E. B.	M.	Lloyd-Parton, F.	G.	Collinson, A.	M.
Weybridge—		Lucy, E. E.	M.	Dow, J. W.	M.
Evans, C. A.	G.	Newton, P.	G.	Fryer, F. G.	A.M.
Francis, C. J. H. W.	G.	Parker, T.	M.	Humphreys, W. H.	A.M.
Pettit, A. E.	A.M.	Pickett, H. A.	G.	Nelson, J.	M.
		Price, A. E.	A.M.	Stamer, A. C.	M.
		Robinson, J. A.	M.	Weston, T. W.	M.
		Shawfield, C. E. C.	M.	Whitehead, A. O.	G.

IRELAND.

Aughnacloy—		Belfast (cont.)—		Belfast (cont.)—	
Akerlind, G. F.	A.M.	Elliott, G.	M.	Pratten, W. J.	M.
Ballymoney—		Ferguson, W. D.	M.	Reeves, W.	M.
Bradshaw, G. T. M.	M.	Fforde, W. J.	A.M.	Reynolds, W. F.	M.
Belfast—		FitzGerald, Prof. M. F. M.		Travers, E. J.	M.
Andrews, T.	M.	Grant, D. J.	A.M.	Wilson, A. B.	M.
Bate, Lt.-Col. C. M.	M.	Grant, W.	A.M.	Wilson, W. H.	M.
Brown, C. A.	A.M.	Harding, J. C.	M.	Wolff, G. W.	M.
Chambers, R. M.	M.	MacColl, H.	M.	Yeames, J. L.	A.M.
Coates, V. H.	M.	McGuire, F. G.	M.	Castletown Berehaven—	
Combe, A.	M.	Malcolm, B.	M.	Waldron, P. L.	M.
Davidson, J. S.	A.M.	McCown, V. A. H.	M.	Cork—	
Davidson, S. C.	M.	Moffatt, J. A. S.	M.	Kersey, A. T. J.	A.M.
Dobson, A.	M.	Moore, T. L.	M.	Merrick, R.	M.
Elliott, A. G.	G.	Pirrie, The Right Hon.		Price, J.	M.
		W. J.	M.		

Cork (cont.)—		Dublin (cont.)—		Howth—
Pulvertaft, R. G.	A.M.	Kennan, W. T.	A.	Barcroft, H.
Robinson, J. D.	M.	Le Clair, L. J.	A.M.	
Smith, W. M.	M.	Lilly, W. E.	M.	
Doagh—		MacGarvey, H.	M.	
McMeekin, A.	A.M.	Maunsell, R. E. L.	M.	
Dublin—		Meeredy, J.	A.	
Baird, D. G.	M.	Miller, F.	M.	
Bevis, A. W.	M.	Miller, J.	A.M.	
Blissett, P. T.	A.M.	Morgan, E. G.	A.M.	
Challenger, G. R.	A.M.	Pigot, T. F.	M.	
Cluff, R.	A.M.	Piper, G. E.	G.	
Coey, R.	M.	Ross, W.	M.	
Cronin, R.	M.	Sheffield, F. G.	A.M.	
Cusack, H. E.	M.	Spence, A. W.	M.	
Dent, C. H.	M.	Spence, W.	M.	
Fleischer, P.	A.M.	Wakefield, W.	M.	
Geoghegan, S.	M.	Waring, H.	G.	
Green, H. H. R.	A.M.	Warren, F. F.	M.	
Harris, S. E.	A.M.	Wayte, J. B.	A.M.	
Hignett, A. H.	M.	Wigham, J. R.	M.	
Holliday, J.	M.			
Hope, J. B.	M.			
Hoult, W.	A.M.			
Jameson, G.	M.			
		Dundalk—		
		Bigger, C.	A.M.	
		Clifford, C.	M.	
		Manisty, E.	M.	

SCOTLAND.

Aberdeen—		Dumbarton—		Falkirk—	
Bell, J. A.	A.M.	Brock, W.	M.	McMillan, J.	A.M.
Dalgarno, J. R.	M.	Brown, J. P.	A.M.	Gartsherrie—	
Ewen, J. T.	M.	Paul, M., Jun.	M.	Strathern, A. G.	A.M.
Groundwater, A. G.	A.M.			Glasgow—	
Hislop, D. B.	A.M.	Berry, T.	A.M.	Aitken, H. W.	M.
Jackson, W.	M.	Dempsey, G.	G.	Alexander, W.	A.M.
Mowat, T.	M.	Douglas, G. C.	M.	Alley, S. E.	M.
Nicol, R. G.	M.	Lindsay, R.	M.	Arnot, W.	M.
Simpson, W.	M.	Lindsay, W. R.	M.	Arrol, Sir W.	M.
Stormont, P. C.	M.	Low, W.	M.	Aspin, J.	A.M.
Thomson, J. W.	A.M.	MacDonald, D. J.	M.	Bain, W. N.	M.
Airdrie—		Murray, P. B.	A.M.	Barr, Prof. A.	M.
Barman, H. D. D.	M.	Orr, C. R.	M.	Barrow, J.	M.
Finlayson, F.	M.	Parsons, T. G.	A.M.	Baxter, P. M.	M.
Rew, J. H.	M.	Thompson, J.	M.	Beardmore, W.	M.
Alloa—		Webb, T. H.	M.	Biles, Prof. J. H.	M.
Finlayson, D.	A.M.	Dunfermline—		Boyd, J. W.	M.
Spence, W. L.	M.	Scott, J.	M.	Cartmell, J. M.	A.M.
Arbroath—		Edinburgh—		Clarkson, J.	M.
Fraser, P.	M.	Bearc, Prof. T. H.	M.	Cochrane, J.	M.
Ayr—		Bertram, D. N.	M.	Cooper, T. L. R.	M.
Sommerville, A.	G.	Brown, A. B.	M.	Couper, S.	M.
Bridge of Allan—		Clark, T. A.	M.	Davie, J. P.	A.M.
Reid, J. W.	A.M.	Colam, W. N.	M.	Davies, C. M.	M.
Carrown—		Cooper, W.	M.	Davison, R.	M.
Hamilton, T. F.	A.M.	Crawford, G. W.	A.M.	Day, C.	M.
Coatbridge—		Drake, A. J.	A.M.	Dixon, J.	A.M.
McGregor, J.	A.M.	Gulliver, G. H.	A.M.	Dixon, W.	M.
Coldstream—		Lumsden, T. T. M.	M.	Drummond, W.	M.
Roberts, B. O.	A.M.	Macdonald, I.	G.	Dunkerton, E. C.	A.M.
Currie—		McFarlane, J.	M.	Ellis, R. H.	G.
Robb, J.	A.M.	Purves, W. T.	A.M.	Forbes, J. T.	A.M.
Errol—		Stevenson, D. A.	M.	Foster, J.	M.
		Weyman, J. E.	M.	Gaze, E. H. J.	M.
		Morton, D. A.	M.	Gibson, G. H.	A.M.
				Goudie, W. J.	A.M.
				Graham, J. L.	A.M.

Glasgow (cont.)—		Glasgow (cont.)—		Kilmarnock (cont.)—	
Grant, H.	A.M.	Sharp, J. H.	M.	Manson, J.	M.
Grant, T. M.	M.	Spencer, H. B.	M.	Turner, T.	M.
Hall-Brown, E.	M.	Statham, F. B.	A.M.	Kirkcaldy—	
Harden, G. F. St. C.	G.	Stewart, D.	M.	Grant, L.	M.
Herriot, W. S.	M.	Thomson, A. M.	A.M.	Henderson, R.	A.M.
Hunter, J. C.	A.M.	Thomson, J.	M.	Mid-Calder—	
Jaëks, T. W. M.	M.	Tullis, D. K.	M.	Bryson, J.	M.
Jackson, H. D.	A.M.	Turnbull, A.	M.	Montrose—	
Johnson, A.	M.	Turner, D.	A.M.	Hale, H.	A.M.
Leitch, A.	M.	Turner, W.	A.M.	Motherwell—	
Lemkes, C. R. L.	A.	Urie, W. M.	M.	Britton, S. E.	A.M.
Longbottom, J. G.	A.M.	Watkinson, Prof. W. H. M.		Mackenzie, T. B.	M.
Lorimer, A. S.	A.M.	Williamson, J.	M.	Parratt, H. E.	G.
MacBrayne, L.	A.	Wilson, C. A.	A.M.	Paisley—	
Macdonald, J.	M.	Wilson, W. H.	M.	Barclay, A. W.	M.
MacLay, Prof. A.	M.	Young, J. D.	A.	Bow, W.	M.
MacLellan, J. A.	M.	Young, T.	M.	Campbell, W. W.	M.
Maitland, C.	M.			Drewitt, W. H.	A.M.
Mascall, A. E.	A.M.			Dunn, A. M.	M.
McFarlane, G.	M.			Hislop, G. R., Jun.	A.M.
McIntyre, J. H. A.	M.			Hislop, L. R.	A.M.
McKinnel, W.	A.			McGee, W.	M.
McNeil, J.	M.			McLachlan, J.	M.
Millar, J.	M.			Parkinson, C. F.	A.M.
Moore, G. E.	A.M.			Tannett, J. C.	M.
Morton, D. H.	M.			Walmsley, J.	M.
Mowbray, A. H.	A.M.			Perth—	
Muirhead, D.	A.M.			Pullar, A. E.	M.
Munro, R. D.	M.			Renfrew—	
Munyard, A.	A.M.			Brown, W.	M.
Palmer, W. D.	A.M.			Lobnitz, F.	M.
Pickering, J.	M.			McLaren, E. A.	M.
Pocock, J. H.	A.M.			Young, W. A.	M.
Reid, A. T.	M.			Stewarton—	
Reid, H.	M.			Love, R. T.	A.M.
Reid, J.	M.			Wishaw—	
Reid, R. S.	M.			Steele, J.	M.
Richardson, J. S.	M.				
Rogerson, T. B.	M.				
Ross, W., Jun.	M.				
Rowan, J.	M.				
Shanks, W.	M.				

WALES.

Aberdare—		Cardiff (cont.)—		Cardiff (cont.)—	
Lewis, Sir W. T.	M.	Edwards, H. F.	M.	Mills, A. E.	A.M.
Treharne, G. A.	M.	Elliott, Dr. A. C.	M.	Monroe, R.	M.
Abergavenny—		Ellis, A.	M.	Morgan, D. J.	M.
Russell, H.	A.M.	Fisher, H. O.	M.	Osburn, G. V.	A.M.
Blaenavon—		Flindt, E. J.	M.	Pasquier, A. E. du	A.M.
Dayson, W. O.	M.	Frisby, A. G.	G.	Patterson, A.	M.
Bwch—		Gard, G. R.	G.	Reed, T. A.	M.
Ashworth, H.	M.	Gough, P. E.	G.	Riches, T. H.	M.
Caerleon—		Hallett, J. H.	M.	Roberts, D. E.	M.
Richards, E. W.	M.	Harris, F. G. R.	A.M.	Roberts, G. R. W.	G.
Cardiff—		Haslam, S. B.	G.	Schontheil, T.	A.M.
Andrews, T.	M.	Heald, J. A.	M.	Sibbering, G. T.	M.
Cambridge, H.	M.	Hill, E. L.	M.	Stevenson, G. M.	M.
Cameron, J.	M.	Hosgood, J. H.	M.	Strachan, J.	M.
Clark, R. G.	G.	Hosgood, O. S.	M.	Swan, E. M.	A.M.
Cryer, A.	M.	Hughes, F.	G.	Thain, W. A.	A.M.
Dawson, E.	M.	Hunter, E. L.	A.M.	Carnarvon—	
Dobbs, H. T.	A.M.	James, E.	M.	Hayes, J.	M.
		Jordan, E.	M.	Colwyn Bay—	
		Lewis, W. T. W.	G.	Hodgson, H.	M.
		Marquand, A. J.	M.		

Cwmbran— Barrs, E.	G.	Llanefydd— Bullen, W. H. C.	A.M.	Port Dinorwic— Pritchard, H.	M.
Dowlais— Martin, E. P.	M.	Mold— Buddicom, H. W.	M.	Pritchard, W. E.	A.M.
Landore— Butler, J.	M.	Newport, Mon.— Laurie, L. G.	M.	Portmadoc— Isaac, R.	M.
Morgan, F. J.	A.M.	Phillips, C. D.	M.	Port Talbot— Cleaver, W.	A.M.
Llandudno— Joyce, T. W.	A.M.	Read, J. H.	M.	Hosgood, W. J.	M.
Llanelly— Waddle, H. W.	M.	Riches, C. T. H.	A.M.	Swansea— Hosgood, T. W.	G.
Llangollen— Edwards, J.	G.	Stevens, A. J.	M.	Peel, C. E.	M.
		Pembroke— Lewis-Dale, H. A.	A.M.	Player, J.	M.
		Pontypridd— Gregory, H. M.	M.	Pruessmann, C. A. L.	A.M.
		Lenox, G. D.	A.M.	Ruthen, C. T.	A.M.
		Thomas, A. L.	A.M.	Wright, J. R.	M.
				Ynysmudw, Glam.— Freeman, B.	G.

CHANNEL ISLANDS.

St. Sampson's, Guernsey— Hicks, F. G.	A.M.	St. Heller's, Jersey— Aubin, P. A.		G.
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NAVAL ENGINEERS.

Andrew, G. E.	M.	Gibson-Sugars, J. S.	M.	Paterson, J. A.	M.
Baker, E. F.	M.	Hall, W. B.	M.	Simmons, G. T.	M.
Bennington, J. W.	M.	Hill, W. S.	M.	Stocker, P.	M.
Bramsdon, W. H.	M.	Hurst, L. E.	M.	Taylor, C. G.	M.
Carter, E.	M.	Kempt, A. R.	A.M.	Veen, V. A. A. ter	M.
Charlton, F. J.	M.	Liversedge, H. T.	M.	Venning, A. J.	A.M.
Cooke, S. W.	G.	Lonnion, W.	M.	Venning, T. A.	A.M.
Cornish, E.	M.	Michell, W. H.	G.	Willsteed, C. W.	A.M.
Curtis, I.	A.M.				

FOREIGN COUNTRIES.

AFRICA.

BRIT. CEN. AFRICA—		CAPE COLONY—		Cape Town (cont.)—	
Blantyre— Maclagan, R.	M.	Cape Town— Albrecht, J. A.	A.M.	Miller, H. W.	M.
		Banham, C. P.	M.	Payne, H.	M.
		Beatty, H. M.	M.	Pickering, F.	M.
BRIT. EAST AFRICA—		Coster, W. W.	A.M.	Claremont— Read, C. M.	A.M.
Mombasa—		Cotton, G. B.	G.	De Aar— MacNay, A.	M.
Bremner, B. L.	G.	Denham, J.	M.	Kimberley— Berry, W.	A.M.
Sandiford, C.	M.	Dowson, R. M.	A.M.	Maclennan, H. V.	A.M.
CANARY ISLANDS—		Gibbs, J. H.	M.		
Las Palmas— Barba, A. G.	A.M.	Goodman, F. A.	G.		
		McLaren, W. A.	M.		
		Meintjes, L. S.	A.		

Kimberley (cont.)—		MAURITIUS—		Johannesburg (cont.)—
Orr, J.	A.M.	Port Louis—		Behr, H. C. M.
Quentrell, T.	M.	Jordan, A. E.	A.M.	Berry, J. F. M.
Scott, R.	A.M.			Blame, W. M.
King William's Town—		NATAL—		Briggs, H. M.
Sanders, G. E.	A.M.	Durban—		Britten, T. J. M.
Naauwpoort—		Duck, W. H. A.M.		Burden, A. G. A.M.
Duncan, W.	A.M.	Enock, D. A.M.		Cowell, J. R. M.
Port Elizabeth—		Harper, N. C. T. A.M.		Cruddas, W. J. A.M.
Edwards, W. C.	M.	Hemingway, R. L. A.M.		Daintree, T. E. M.
Hambly, J.	M.	Hogg, J. T. A.M.		Davies, J. H. M.
Hawkins, J. C.	G.	McGregor, J. A.M.		Epton, W. M. A.M.
Ingham, W.	M.	Milne, W. M.		Fowler, P. M. A.M.
Queenstown—		Robinson, J. J. M.		Frerichs, J. A. A.M.
Almond, M.	A.M.	Short, A. M.		Furnivall, W. H. G. A.M.
Salt River—		Stobie, G. M.		Goffe, E. A.M.
Anderson, P.	M.	Titren, G. E. de K. A.M.		Griffiths, H. D. M.
Simonstown—		Port Natal—		Hosken, R. M.
Brearley, F. T.	M.	Shadwell, L. H. A. A.M.		Johnson, H. H. A.M.
Little, E.	M.	Thomson, G. M.		Mills, J. A. A.M.
Thebus—		ORANGE RIVER COLONY		Mitchell, B. M. M.
Newman, R. W.	M.	Bloemfontein—		Pittar, A. V. A.M.
Uitenhage—		Fry, W. E. R. G.		Pollard, F. J. A.M.
Child, H. S.	M.	Hollis, S. A. A.M.		Poore, G. B. M.
Malloch, W. F.	M.	France, C. R. A.M.		Reunert, T. M.
Thornton, H. R.	M.	Koffyfontein—		Ritchie, A. M. A.M.
Wynberg—		Hudson, G. A.M.		Smith, S. M.
Allkin, H. W.	A.M.	Kroonstad—		Spencer, F. H. A.
Wright, F. C.	G.	Johnson, P. H. A.M.		Stokes, F. T. G.
DELAGOA BAY—		Ladybrand—		Vaughan, J. A. M.
Port Matolla—		Heydeman, H. G. J. A.M.		Ward, J. P. A.M.
Douglas, F.	A.M.	RHODESIA—		Watson, J. C. A.M.
EGYPT—		Bulawayo—		Wolstenholme, W. A.M.
Alexandria—		Fletcher, H. C. A.M.		Wood, W. H. A.M.
Alderson, C. A. H.	A.M.	Jeffreys, R. H. V. A.M.		Middleburg—
Alderson, G. A.	A.M.	Johnson, G. A.M.		Sproule, G. H. R. A.M.
Alderson, G. B.	M.	Salisbury—		Pretoria—
Allen, F.	M.	Furness, R. L. A.M.		Carolin, E. M. A.M.
Blagden, H. R. C.	A.M.	Groves, M. A.M.		Evets, W. Jun. A.M.
Elsworth, J. F.	M.	Roberts, C. T. A.M.		Roberts, C. D. A.M.
Paterson, W.	A.M.	Roberts, P. R. A.M.		Wilson, L. H. A.M.
Sheppard, H. G.	M.	Warton, R. G. F. A.M.		Randfontein—
Cairo—		TRANSVAAL—		Appleby, H. W. A.M.
Bain, G.	M.	Barberton—		Payne, F. G. A.M.
Ball, J.	A.M.	Kirton, W. A.M.		WEST COAST—
Calvi, A. U.	G.	Benoni—		Freetown—
Cowan, P. J.	A.M.	Middleton, H. H. A.M.		Armes, B. S. M.
Fletcher, W. C.	A.M.	Boksburg—		Stone, F. H. M.
Johnstone, Major J. H.	A.M.	Hathorn, J. C. M. A.M.		Lagos—
L'E.	M.	McBean, J. A.M.		Bellamy, C. V. M.
Western, H.	A.M.	Palmer, H. B. Jun. A.M.		Benington, E. S. A.M.
Kafr-el-Zayat—		Germiston—		Bonell, T. H. M. M.
Ramsay, A. C.	A.M.	Norman, G. F. A. A.M.		Garratt, H. W. M.
Shendy—		Parry, E. H. M.		Smith, E. T. A.M.
Stenning, H. W.	A.M.	Johannesburg—		Obuassi—
Tantah—		Adams, S. R. A.M.		Nicholas, D. C. A.M.
Peacock, J. A. W.	M.	Bartley, B. C. A.M.		O'Reilly, F. J. A.M.
		Begbie, T. Sen. M.		Old Calabar—
		Begbie, W. A.M.		Auld, J. P. M.
				Sekondi—
				Hyland, J. F. M.
				Tarkwa—
				Walkeden, G. H. M.

AMERICA (CENTRAL).

GUATEMALA—		Rincon Antonio—		Grenada—	
Akers, C. H.	M.	Greaven, L.	M.	McQueen, J. C.	M.
MEXICO—		WEST INDIES—		Porto Rico—	
Mexico City—		Barbados—		Graham, R.	M.
Bennett, P. M.	A.M.	Brocklehurst, G.	M.	Thomson, D. L.	A.M.
Bromly, A. H.	M.	Simpson, D. G.	A.M.		
Carter, H. F.	M.	Simpson, N. de L.	A.M.		
Gelling, J. W.	M.				
Wicks, G. H.	M.				
Williams, A.	M.				
		Cuba—		Trinidad—	
		Keyworth, T. E.	M.	Peet, J.	M.
		Knight, W. E.	M.	Wallace, J.	M.

AMERICA (NORTH).

BRIT. N. AMERICA—		Canon City—		New Britain—	
British Columbia—		Jackling, D. C.	A.M.	Moore, W. J. P.	M.
Barrow, A. R. M.	G.				
Chatterton, R.	A.M.	Charlestown—		New York—	
Croft, H.	M.	Hall, A. F.	M.	Bulkley, H. W.	M.
Walkem, G. A.	A.M.			Hart, F.	M.
Montreal—		Chicago—		Hatschek, E.	A.M.
Coker, E. G.	M.	Higgs, A. F.	A.M.	Henning, G. C.	M.
Dowson, E. C. H.	A.M.	Hunt, R. W.	M.	Herschmann, A. J.	A.M.
Flint, L. R.	A.M.	Widdicombe, R. A.	A.M.	Hildage, H. T.	A.M.
Johnson, L. R.	M.			Rapley, F. H.	M.
Morton, J. H.	A.M.	Cleveland—		Stockton, C.	A.M.
Redpath, F. R.	M.	Swasey, A.	M.	Williams, D. T.	A.M.
Wallis, H.	M.	Wellman, S. T.	M.		
Prince Albert—		East Pittsburgh—		Philadelphia—	
Grant, W., Jun.	G.	Loscher, A. P.	A.M.	Given, E. C.	A.M.
Stratford, Ont.—		Nicholls, P.	A.M.	Sellers, Dr. C.	M.
Statham, H.	A.M.	Hartford—		Sellers, W.	M.
UNITED STATES—		Cave, H.	A.M.		
Berkley—		Jacksonville—		Providence—	
Roberts, T. H.	M.	Angas, W. M.	M.	Mather, W. P.	M.
Boston—		Libby—		San Francisco—	
Butcher, J. J.	M.	West, H. E.	A.M.	Eckart, W. R.	M.
Jaques, Capt. W. H.	M.	Los Angeles—		Shawnee-on-Delaware—	
Ramsbottom, J. G.	M.	Chaffey, G.	M.	Worthington, C. C.	M.
Bridgeport—		Madison—		Taunton—	
House, H. A.	M.	Johnson, F. A.	A.M.	Greensmith, J. E.	M.
Cambridgeport—		Matteawan—		Worcester—	
Leavitt, E. D.	M.	Blackburn, A. H.	M.	Morgan, C. H.	M.
		Middlesbrough—		HAWAII—	
		Bartlett, J. H.	M.	Williams, J. N. S.	M.

AMERICA (SOUTH).

ARGENTINE REP.—		Buenos Aires (cont.)—		Buenos Aires (cont.)—	
Buenos Aires—		Fitz-Gerald, J. F. G.	A.M.	Lander, P. V.	M.
Abella, J.	A.M.	Garrett, E.	A.M.	McReddie, C. E. B.	M.
Arteaga, A. de	M.	Gee, T. J.	A.M.	Saccaggio, P. C.	A.M.
Boquet, H. C.	M.	Goddard, W. H.	A.M.	Scholes, W. H.	M.
Bow, J.	A.M.	Grant, P.	M.	Tenney, D.	A.M.
Calastremé, J. C.	M.	Greaven, A. A.	M.	Wood, T. R.	M.
Fernandez, R.	A.M.	Hicken, T.	M.	York, F. C.	M.

Mendoza—		Rio de Janeiro—		Junin—	
Dawbarn, R. P.	A.M.	Hamilton, G. J.	G.	Beven, A. N.	M.
Hopwood, J.	M.	Mattox, A. G. de	G.		
		Whichello, R.	G.		
Rosario de Santa Fé—		Rio Grande do Sul—		Valparaiso—	
Maria, H. S.	A.M.	Gray, A. C.	M.	Beaver, J. R.	A.M.
Seavill, L. C.	A.M.			Budge, E.	M.
				Slight, G. H.	M.
BRAZIL—		São Paulo—		PERU—	
Campinas—		Goodier, F.	M.	Arequipa—	
Stevenson, C. W.	M.	Harrison, W. J.	M.	Forga, A.	A.M.
Manaos—		Sheldon, W. J.	M.		
McIvor, B. R.	M.	Uruguayana—		Iquitos—	
Minas Geraes—		Ambler, F.	M.	Clayton, M. G.	A.M.
Parker, F. T.	A.M.	BRIT. GUIANA—		URUGUAY—	
Para—		Berbice—	M.	Monte Video—	
Ward, J.	M.	Parratt, W. H.	M.	Halstead, J. H.	M.
Pernambuco—		CHILE—		VENEZUELA—	
Cardozo, F. C. de	M.	Iquique—		Caracas—	
Chalmers, J.	A.M.	Ambler, R. V.	A.M.	Almond, H. J.	M.
Chivers, F. E.	A.M.	Gilling, A. H.	A.M.		
Clark, A.	M.	Hubback, C. A.	M.		
Fripp, S., Jun.	A.M.	Nicholls, J. M.	M.		
Thunder, C. J.	A.M.				

ASIA.

ARABIA—		Amritsar—		Bombay (cont.)—	
Aden—		Ganga Ram	M.	Molloy, H. J.	M.
Brown, Capt. F. A. W. M.				Shroff, A. B.	M.
		Aruvankad—		Stirling, J. A. M.	A.M.
		Price, R.	A.M.	St. Paul, C.	A.M.
CHINA—		Bankipur—		Thompson, E. W.	A.M.
Hong Kong—		Walford, F.	A.M.	Wadia, N. N.	M.
Appleby, G. W.	M.	Baroda—		Walke, C. N. E.	M.
Bailey, W. S.	M.	Patel, R. M.	A.M.	Warwick, W.	A.M.
Dixon, W. B.	M.	Bombay—		Webb, R. G.	M.
Focken, C. F.	M.	Ashby, G.	M.	Weightman, W. J.	M.
Gordon, A. G.	M.	Bell, A. M.	M.	Whittell, A. L.	M.
Kinghorn, J. W.	M.	Bell, Major C. T.	M.	Borsad—	
Kirkwood, J.	M.	Bigg-Wither, L.	A.M.	Patel, M. B.	A.M.
Newman, K. C. H.	G.	Bryant, E. E.	A.M.	Burrakur—	
Orange, J.	M.	Burnside, B. W.	A.M.	Maemillan, C. C.	M.
Parlane, W.	M.	Carruthers, R.	M.	Buxar—	
Ramsay, W.	M.	Chandabhoi, S. N.	A.	Woodward, E.	G.
Simcock, P.	A.M.	Christiansen, A. G., Jun.	A.M.	Cachar—	
Wilks, E. C.	M.	Christiansen, A. G.	A.M.	Woods, H.	A.M.
Shanghai—		Dadabhoi, C.	M.	Calcutta—	
Blagden, A. H.	A.M.	Dadina, H. M.	M.	Abbott, A. H.	M.
Blechynden, J.	M.	Davison, J. W.	M.	Adie, A. E.	M.
Bunt, T.	M.	Ditchburn, R.	M.	Amor, W.	M.
Groundwater, S.	A.M.	Elsworth, E. H.	M.	Dame, J. M.	M.
Hearson, H. R.	M.	English, T. M.	M.	Dryden, A.	M.
Hiller, H. K.	M.	Etlinger, G. E.	A.M.	Forbes, W. G. L. S.	M.
Waught, J.	M.	Forbes, D. M.	M.	George, J. M.	A.M.
Wood, W. C.	M.	Fraser, W. S.	A.M.	Harrison, F.	M.
Tientsin—		Gahagan, R. H.	A.M.	Harwood, R. H.	A.M.
Bourne, T. J.	M.	Gawthorne, W. A.	A.M.	James, A. W.	M.
Gaston, A. B.	A.M.	Hall, J.	M.	McPherson, S.	M.
Knowles, G. S.	A.M.	Hepworth, J. W.	M.	Moylan, W. M.	M.
Kwang, K. Y.	M.	Jeejeebhoy, P. B.	M.	Muggeridge, H. C.	A.M.
Oswald, R.	M.	Keightley, A. P.	M.	Pulman, T. C.	M.
Thomson, J. C.	A.M.	Knowles, J.	M.	Rochat, H. L.	A.M.
INDIA—		Longworth, D.	M.	Rolfe, J. H. H.	M.
Allahabad—		Macbeth, J. B. K.	M.	Ruffo, F. F.	A.M.
Liddell, G.	A.M.	Mitchell, J. F. B.	A.M.		
Wasdell, A.	A.M.				

Calcutta (cont.)—		Lahore—		Nagasaki—
Scott, R.	M.	Atkinson, A.	M.	Ito, K.
Sharp, W.	G.	Winmill, G.	M.	A.M.
Whichello, R. E.	A.M.			
Cawnpore—		Lucknow—		Osaka—
Anderson, A. S.	M.	Keatinge, S. A. J.	M.	Arakawa, S.
Goulstone, E. E.	A.M.	Robertson, J. M.	A.M.	Atsumi, S.
Morris, W.	M.			Kikuchi, K.
Thomson, H.	A.M.	Bamford, R. G.	M.	Takatsuji, N.
Chakardharpur—	M.	Borham, W. E.	M.	Takimura, T.
Hughes, R. M.		Chatterton, Prof. A.	M.	
Chittagong—		Emery, J. I.	G.	
Hawkins, R. S.	M.	Harris, H. E.	A.M.	
Cochin—		James, W. H.	M.	
Brunton, J. E. C.	G.	Loane, S. J.	M.	
Colombo—		Mansfield, O.	G.	
Boak, W.	M.	Mansfield, W.	A.M.	
Bradley, G. T.	M.	Phipps, C. E.	M.	
Garratt, J. H.	A.M.	Pillai, V. P. D.	M.	
Hutson, C. A.	M.	Spring, F. J. E.	M.	
Hyde, G. H.	M.			
Jayawardena, T. G. W.		Mangaldai—		Tokyo—
Jolliffe, C. H.	A.M.	Hadley, W. P. H.	A.M.	Brindley, H. S. B.
Shanks, A. T.	M.			Dan, T.
Tarver, H. H.	A.M.			Fujii, T.
Unsworth, H. G.	M.			Hall, W. S.
Dibrugarh—		Mozufferpore—		Hiraoka, H.
Locket, A.	A.M.	Ironside, W. A.	A.M.	Mano, Prof. B.
Gwalior—		Williams, W. H.	M.	Matsubara, T.
Baker, W. H.	M.			Miyabara, J.
Hotgi—		Mussoorie—		Nakajima, Y.
Barton, G. B.	G.	Campbell, A.	M.	Shiba, C.
Howrah—		Mysore—		Shin, T.
Shirtilif, F.	A.M.	Hincks, J. M.	A.M.	West, Prof. C. D.
Steele, W. R.	M.			White, A. F.
Wans, O.	G.	Negapatam—		
Hubli—		Lambert, J. H.	A.M.	Yokohama—
Sampson, E. D.	M.	Rajputana—		Münster, B. A.
Insein—		Addis, F. H.	G.	
Cardew, C. E.	M.	Rangoon—		JAVA—
Johnson, L. P.	M.	Duncan, N.	M.	Batavia—
Jabalpur—		Lancaster, J. H.	A.M.	Bennett, J. W.
Smith, Lt.-Col. S. G. D.	M.	Macdonald, F. C.	M.	Soerabaya—
Jamalpur—		McGeorge, J.	A.M.	Campbell, J.
Browne, T. R.	M.	Mutter, W.	M.	Powell, B. N.
Eborall, C. W.	M.			Slight, W. H.
Radley, B. V.	A.M.	Roorkee—		
Tomes, W. J.	A.M.	McLaren, W. D.	A.M.	SIAM—
Wood, H. A.	M.	Souter-Robertson, D.	M.	Bangkok—
Kallai—		Rosa—		Chyn
Barrett, C. E. M.	A.M.	Hadengue, C. B.	A.M.	Corbett, A. J.
Kanchrapara—		Silchar—		Hill, W. H.
Jones, G. E.	M.	Ede, F. J.	M.	Mackay, J.
Karachi—				Stewart, G.
Cosser, T.	M.	Simla—		
Davidson, J. M.	M.	Buchanan, W. E.	A.M.	Kuala Lumpor—
Herman, B. R.	M.	Lampard, P.	A.M.	Craig, J.
Markwick, A. E.	M.	Mahon, Major R. H.	M.	Forbes, G. C.
Mills, Lieut. J. J.	A.M.			A.M.
Moore, J.	M.	Sitarampur—		M.
Khargpur—		Higby, R. G.	M.	Penang—
Franklin, E. S.	M.			Hamilton, R.
		Sylhet—		Lawrie, J.
		Monckton, C. J.	A.M.	Young, R.
		Toungoo—		Perak—
		Simpson, J. T.	M.	Mate, W. E.
				Rose, A.
		Umballa—		A.M.
		Jones, F. R.	M.	A.M.
		Ross, F. G.	A.M.	Robertson, D.
		JAPAN—		Selangor—
		Kobe—		Groves, T.
		Trevithick, R. F.	M.	M.
				Seremban—
				Carter, S. A.
				A.M.
		Singapore—		Penang—
				Coveney, W. C.
				Dick, J. N.
				M.

Singapore (cont.)—

Finnie, W.	A.M.
Gebbie, J.	M.
Goldie, R. M.	A.M.
Hancock, S.	M.
Kitching, A.	M.

Singapore (cont.)—

Macbean, J. J.	M.
Masterton, W. N.	M.
Nicholson, J. R.	M.
Saxelby, H. R.	G.
Webster, W.	M.

Talpeng—

Mills, F.	A.M.
TURKEY-IN-ASIA—	

Smyrna—

Issigonis, G. D.	A.M.
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AUSTRALASIA.**NEW SOUTH WALES—**

Aberdeen—	
Benn, W. W. W.	A.M.
Granville—	
Irons, T.	M.
Sydney—	
Ahrbecker, H. C. V.	M.
Arnot, A. J.	M.
Brewster, W. S.	M.
Brunton, P. G.	M.
Christie, A.	M.
Clarkson, E. J.	M.
Conyers, S. W.	M.
Cruickshank, W. D.	M.
Cullen, P. J.	M.
Cutler, A. E.	M.
Davis, J.	M.
Fenwick, J.	M.
Finlayson, R. W.	M.
Franki, J. P.	M.
German, W. H.	M.
Grange, R. B.	M.
Grimshaw, J. W.	M.
Hodgson, G. H.	A.M.
Hoskins, G. J.	M.
Houghton, T. H.	M.
Howarth, A. M.	M.
Howe, H. B.	M.
Jenkinson, E. H.	M.
Kidd, H.	M.
Massey, G.	M.
McCredie, A. L.	M.
Nisbet, W. H.	M.
Noakes, W. M.	M.
Noyes, E.	A.
Priee, A.	M.
Ritchie, J. M.	G.
Selfe, N.	M.
Shand, J.	M.
Shaw, P. C. W.	M.
Sinclair, R.	M.
Tatham, J. E.	A.M.
Thow, W.	M.

Sydney (cont.)—

Turner, W. W.	A.M.
Winlaw, W. W.	A.M.

QUEENSLAND—

Brisbane—	
Goldsmith, A. J.	M.
Griffiths, J. A.	M.
Nutt, G. B.	M.

Charters Towers—

Carthew-Wright, W.	G.
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Maryborough—

Wilson, H.	M.
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Mount Morgan—

Hirst, J.	M.
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S. AUSTRALIA—

Adelaide—	
Ayers, F. G.	A.M.
Nichols, H. F.	A.M.

TASMANIA—

Hobart—	
Ross, E. S.	A.M.

Kelly Basin—

Edleston, A. E.	A.M.
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Launceston—

Deeble, W. R.	M.
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VICTORIA—

Ballarat—	
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Kerr, A. E. C.	M.
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Melbourne—

Conyers, W.	M.
Deakin, B. W.	M.
Griffiths, W. J.	M.
Mais, H. C.	M.

Mansfield, F.

Mansfield, F.	G.
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Melbourne (cont.)—

McRitchie, G. S.	M.
Pearce, T.	M.
Roberts, J.	A.M.
Schloesser, R.	A.M.
Shepherd, R. L.	M.

W. AUSTRALIA—

Albany—	
Hemingway, A.	A.M.

Dardanup—

Bird, F. N.	A.M.
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Fremantle—

Akroyd-Stuart, H.	M.
Denny, J.	M.
Leslie, W.	M.
Quirk, W. M. H.	M.
Saunders, A. F.	A.M.

Kalgoorlie—

Crocker, C. E.	A.M.
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Katanning—

Piesse, F. T. R.	A.M.
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Perth—

Hursthouse, E. W.	A.M.
Mathews, C. J.	M.
McDonald, J. A.	M.

Midland Railway—

Moon, E. R.	M.
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NEW ZEALAND—

Christchurch—	
Scott, H.	A.M.
Scott, Prof. R. J.	M.

Wellington—

Ferguson, W.	M.
Merrett, J. A.	G.

EUROPE.**AUSTRIA—**

Prerau—	
Dare, A. N.	A.M.
Vienna—	
Hardy, J. G.	M.

BELGIUM—

Brussels—	
Bailly, P.	M.
Bollinckx, A.	M.
Coppée, E.	M.
Mathot, R.	M.

Brussels (cont.)—

Oakes, Sir R. L.	M.
Selby, M.	M.

Liège—

Timmermans, F.	M.
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DENMARK—		GREECE—		MOSCOW (cont.)—	
Veile—		Piraeus—		Hopper, A.	M.
Knight, A. H.	A.M.	Mastrantonis, P.	M.	Hopper, J. R.	M.
				Jarvis, R.	A.M.
FINLAND—		HOLLAND—		Johnson, J. W.	M.
Abo—	M.	Amsterdam—		Urmston, P.	A.M.
Eager, J. E.		Holbrow, C. A.	A.M.		
FRANCE—		Flushing—		Sereda—	
Boulogne-sur-Mer—	M.	Martin, W. H.	M.	Charnock, C. J.	A.M.
Trenery, W. P.		Van Raalte, J.	M.	St. Petersburg—	
Neuilly-sur-Seine—	M.			Berry, H.	A.M.
Marié, G.		Raamsdonk—		Goldarbeiter, J. L.	A.M.
Nice—	M.	Reed, E. C.	A.		
Brown, F. R. F.		Rotterdam—		SPAIN—	
Paris—		Wilton, B.	M.	Alcaracejos—	
Berthiez, C.	M.			West, W. P.	A.M.
Bourdon, F. E.	M.	ITALY—		Almeria—	
Hanning, W.	A.M.	Milan—		Hamilton, A., Jun.	A.M.
Menier, H.	M.	Nathan, A.	M.		
Molinos, L.	M.	Rümmigle, A.	G.	Astillero—	
Roux, P. L.	A.M.			Beirne, S. A.	A.M.
Sauvage, E.	M.	MALTA—		Kensington, J. C.	A.M.
Taylor, M.	G.	Anderson, A. L.	A.M.		
Rouen—	M.	Pogson, A. L.	M.	Carballino—	
Windsor, E. W.		Smith, J. S.	A.M.	Hess, A. C.	G.
St. Denis—	M.	Wright, F.	A.M.		
D'Albert, C.		MONTE CARLO—		Huelva—	
St. Ouen—	M.	Kershaw, J.	M.	Bennie, P.	M.
Farcot, P.				Connell, W. P.	A.M.
Toulon—		PORTUGAL—		Madrid—	
Berrier-Fontaine, M.	M.	Lisbon—		Aramburu y Silva, F.	M.
		Camargo, J. A. da R.	G.	Greenhill, T. A.	M.
		Fish, S. R.	M.	Phillips, E. G.	A.M.
		Hawkins, L. G.	A.M.	Presser, E. C. A.	M.
GERMANY—				Sturges, A. T.	M.
Berlin—		Oporto—		SWEDEN—	
Bindemann, H. O. F.		Ennor, C. J.	M.	Eskilstuna—	
	A.M.			Betts, S.	M.
Grove, D.	M.	RUSSIA—		Helsingborg—	
Orcutt, H. F. L.	M.	Alexandrov—		Widmark, H. W.	M.
		Stutzer, W.	M.	Stockholm—	
Brunswick—		Baku—		Wadham, R.	G.
Chapman, A.	M.	Beck, J.	A.M.	SWITZERLAND—	
Münzel, M.	M.	Lukis, W. R. F.	M.	Neuchatel—	
Düsseldorf—	M.	McCallum, E. A.	A.M.	Walker, R. H.	A.M.
Boeddinghaus, J.		Reay, E.	A.M.	Winterthur—	
Röper, A.	M.	Elizabethgrad—		Rieter, E. H.	A.M.
		Davis, F. M.	A.M.	Sulzer, J.	M.
Kalk—		Kharkov—		Zürich—	
Mount-Haes, A.	M.	Read, H. G.	M.	Kapteyn, A.	M.
GIBRALTAR—		Lodz—		Stodola, A.	M.
Andlau, W. F. von	M.	Buckley, V. E.	M.	TURKEY—	
Britton, Lieut. E. J. J.	G.	Ratcliffe, J. T.	M.	Constantinople—	
Livesey, R. M.	M.			Ahmed Pasha, Rear-	
Thomas, N. S.	G.	Moscow—		Admiral	M.
Williams, E. T.	A.M.	Boardman, J.	M.	Dabell, A. F.	A.M.
Williams, W. W.	M.	Dixon, W. F.	M.	Sirri, Lieut. M.	A.M.

THE INSTITUTION OF MECHANICAL ENGINEERS.

Memorandum of Association.

AUGUST 1878.

1st. The name of the Association is "THE INSTITUTION OF MECHANICAL ENGINEERS."

2nd. The Registered Office of the Association will be situate in England.

3rd. The objects for which the Association is established are:—

(a.) To promote the science and practice of Mechanical Engineering and all branches of mechanical construction, and to give an impulse to inventions likely to be useful to the Members of the Institution and to the community at large.

(b.) To enable Mechanical Engineers to meet and to correspond, and to facilitate the interchange of ideas respecting improvements in the various branches of mechanical science, and the publication and communication of information on such subjects.

(c.) To acquire and dispose of property for the purposes aforesaid.

(d.) To do all other things incidental or conducive to the attainment of the above objects or any of them.

4th. The income and property of the Association, from whatever source derived, shall be applied solely towards the promotion of the objects of the Association as set forth in this Memorandum of Association, and no portion thereof shall be paid or transferred directly or indirectly, by way of dividend, bonus, or otherwise howsoever, by way of profit to the persons who at any time are or have been Members of the Association, or to any of them, or to any person claiming through any of them: Provided that nothing herein contained shall prevent the payment in good faith of remuneration to any officers or servants of the Association, or to any Member of the Association, or other person, in return for any services rendered to the Association, or prevent the giving of privileges to the Members of the Association in attending the meetings of the Association, or prevent the borrowing of money (under such powers as the Association and the Council thereof may possess) from any Member of the Association, at a rate of interest not greater than five per cent. per annum.

5th. The fourth paragraph of this Memorandum is a condition on which a licence is granted by the Board of Trade to the Association in pursuance of Section 23 of the Companies Act 1867. For the purpose of preventing any evasion of the terms of the said fourth paragraph, the Board of Trade may from time to time, on the application of any Member of the Association, impose further conditions, which shall be duly observed by the Association.

6th. If the Association act in contravention of the fourth paragraph of this Memorandum, or of any such further conditions, the liability of every Member of the Council shall be unlimited; and the liability of every Member of the Association who has received any such dividend, bonus, or other profit as aforesaid, shall likewise be unlimited.

7th. Every Member of the Association undertakes to contribute to the Assets of the Association in the event of the same being wound up during the time that he is a Member, or within one

year afterwards, for payment of the debts and liabilities of the Association contracted before the time at which he ceases to be a Member, and of the costs, charges, and expenses for winding up the same, and for the adjustment of the rights of the contributories amongst themselves, such amount as may be required not exceeding Five Shillings, or in case of his liability becoming unlimited such other amount as may be required in pursuance of the last preceding paragraph of this Memorandum.

8th. If upon the winding up or dissolution of the Association there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall not be paid to or distributed among the Members of the Association, but shall be given or transferred to some other Institution or Institutions having objects similar to the objects of the Association, to be determined by the Members of the Association at or before the time of dissolution ; or in default thereof, by such Judge of the High Court of Justice as may have or acquire jurisdiction in the matter.

Articles of Association.

FEBRUARY 1893.

(Article 23 revised March 1902.)

INTRODUCTION.

Whereas an Association called "The Institution of Mechanical Engineers" existed from 1847 to 1878 for objects similar to the objects expressed in the Memorandum of Association of the Association (hereinafter called "the Institution") to which these Articles apply;

And whereas the Institution was formed in 1878 for furthering and extending the objects of the former Institution, by a registered Association, under the Companies Acts 1862 and 1867;

And whereas terms used in these Articles are intended to have the same respective meanings as they have when used in those Acts, and words implying the singular number are intended to include the plural number, and *vice versa*;

NOW THEREFORE IT IS HEREBY AGREED as follows:—

CONSTITUTION.

1. For the purpose of registration the number of members of the Institution is unlimited.

MEMBERS, ASSOCIATE MEMBERS, GRADUATES, ASSOCIATES, AND HONORARY LIFE MEMBERS.

2. The present Members of the Institution, and such other persons as shall be admitted in accordance with these Articles, and none others, shall be Members of the Institution, and be entered on the register as such.

3. Any person may become a Member of the Institution who shall be qualified and elected as hereinafter mentioned, and shall agree to become such Member, and shall pay the entrance fee and first subscription accordingly.

4. The qualification of Members shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

5. The election of Members shall be conducted as prescribed by the By-laws from time to time in force, as provided by the Articles.

6. In addition to the persons already admitted as Graduates, Associates, and Honorary Life Members respectively, the Institution may admit such persons as may be qualified and elected in that behalf as Associate Members, Graduates, Associates, and Honorary Life Members respectively of the Institution, and may confer upon them such privileges as shall be prescribed by the By-laws from time to time in force, as provided by the Articles: provided that no Associate Member, Graduate, Associate, or Honorary Life Member shall be deemed to be a Member within the meaning of the Articles.

7. The qualification and mode of election of Associate Members, Graduates, Associates, and Honorary Life Members shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

8. The rights and privileges of every Member, Associate Member, Graduate, Associate, or Honorary Life Member shall be personal to himself, and shall not be transferable or transmissible by his own act or by operation of law.

ENTRANCE FEES AND SUBSCRIPTIONS.

9. The Entrance Fees and Subscriptions of Members, Associate Members, Graduates, and Associates shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

EXPULSION.

10. If any Member, Associate Member, Graduate, or Associate shall leave his subscription in arrear for two years, and shall fail to pay such arrears within three months after a written application has been sent to him by the Secretary, his name may be struck off the register by the Council at any time afterwards, and he shall thereupon cease to have any rights as a Member, Associate Member, Graduate, or Associate, but he shall nevertheless continue liable to pay the arrears of subscription due at the time of his name being so struck off: provided always that this regulation shall not be construed to compel the Council to remove any name, if they shall be satisfied the same ought to be retained.

11. The Council may refuse to continue to receive the subscriptions of any person who shall have wilfully acted in contravention of the regulations of the Institution, or who shall in the opinion of the Council have been guilty of such conduct as shall have rendered him unfit to continue to belong to the Institution; and may remove his name from the register, and he shall thereupon cease to be a Member, Associate Member, Graduate, or Associate (as the case may be) of the Institution.

GENERAL MEETINGS.

12. The General Meetings shall consist of the Ordinary Meetings, the Annual General Meeting, and of Special Meetings as hereinafter defined.

13. The Annual General Meeting shall take place in London in one of the first four months of every year. The Ordinary Meetings shall take place at such times and places as the Council shall determine.

14. A Special Meeting may be convened at any time by the Council, and shall be convened by them whenever a requisition signed by twenty Members or Associate Members of the Institution,

specifying the object of the Meeting, is left with the Secretary. If for fourteen days after the delivery of such requisition a Meeting be not convened in accordance therewith, the Requisitionists or any twenty Members or Associate Members of the Institution may convene a Special Meeting in accordance with the requisition. All Special Meetings shall be held in London.

15. Seven clear days' notice of every Meeting, specifying generally the nature of any special business to be transacted at any Meeting, shall be given to every person on the register of the Institution, except as provided by Article 35, and no other special business shall be transacted at such Meeting; but the non-receipt of such notice shall not invalidate the proceedings of such Meeting. No notice of the business to be transacted (other than such ballot lists as may be requisite in case of elections) shall be required in the absence of special business.

16. Special business shall include all business for transaction at a Special Meeting, and all business for transaction at every other Meeting, with the exception of the reading and confirmation of the Minutes of the previous Meeting, the election of Members, Associate Members, Graduates, and Associates, and the reading and discussion of communications as prescribed by the By-laws, or by any regulations of the Council made in accordance with the By-laws.

PROCEEDINGS AT GENERAL MEETINGS.

17. Twenty Members or Associate Members shall constitute a quorum for the purpose of a Meeting other than a Special Meeting. Thirty Members or Associate Members shall constitute a quorum for the purpose of a Special Meeting.

18. If within thirty minutes after the time fixed for holding the Meeting a quorum is not present, the Meeting shall be dissolved, and all matters which might, if a quorum had been present, have been done at a Meeting (other than a Special Meeting) so dissolved, may forthwith be done on behalf of the Meeting by the Council.

19. The President shall be Chairman at every Meeting, and in his absence one of the Vice-Presidents; and in the absence of all Vice-Presidents a Member of Council shall take the chair; and if no Member of Council be present and willing to take the chair, the Meeting shall elect a Chairman.

20. The decision of a General Meeting shall be ascertained by show of hands, unless, after the show of hands, a poll is forthwith demanded; and by a poll, when a poll is thus demanded. The manner of taking a show of hands or a poll shall be in the discretion of the Chairman; and an entry in the Minutes, signed by the Chairman, shall be sufficient evidence of the decision of the General Meeting. Each Member and Associate Member shall have one vote and no more. In case of equality of votes the Chairman shall have a second or casting vote: provided that this Article shall not interfere with the provisions of the By-laws as to election by ballot.

21. The acceptance or rejection of votes by the Chairman shall be conclusive for the purpose of the decision of the matter in respect of which the votes are tendered: provided that the Chairman may review his decision at the same Meeting, if any error be then pointed out to him.

BY-LAWS.

22. The By-laws set forth in the schedule to these Articles, and such altered and additional By-laws as shall be substituted or added as hereinafter mentioned, shall regulate all matters by the Articles left to be prescribed by the By-laws, and all matters which consistently with the Articles shall be made the subject of By-laws. Alterations in, and additions to, the By-laws, may be made only by resolution of the Members and Associate Members at an Annual General Meeting, after notice of the proposed alteration or addition has been announced at the previous Ordinary Meeting, and not otherwise.

COUNCIL.

23. The Council of the Institution shall be chosen from the Members only, and shall consist of one President, six Vice-Presidents, twenty-one ordinary Members of Council, and of the Past-Presidents. The President, two Vice-Presidents, and seven Members of Council (other than Past-Presidents), shall retire at each Annual General Meeting, but shall be eligible for re-election. The Vice-Presidents and Members of Council to retire each year shall, unless the Council agree otherwise among themselves, be chosen from those who have been longest in office, and in cases of equal seniority shall be determined by ballot.

24. The election of a President, Vice-Presidents, and Members of Council, to supply the place of those retiring at the Annual General Meeting, shall be conducted in such manner as shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

25. The Council may supply any casual vacancy in the Council (including any casual vacancy in the office of President) which shall occur between one Annual General Meeting and another; and the President, Vice-Presidents, or Members of Council so appointed by the Council shall retire at the succeeding Annual General Meeting. Vacancies not filled up at any such Meeting shall be deemed to be casual vacancies within the meaning of this Article.

OFFICERS.

26. The Treasurer, Secretary, and other employés of the Institution shall be appointed and removed in the manner prescribed by the By-laws from time to time in force, as provided by the Articles. Subject to the express provisions of the By-laws, the officers and servants of the Institution shall be appointed and removed by the Council.

27. The powers and duties of the officers of the Institution shall, subject to any express provision in the By-laws, be determined by the Council.

POWERS AND PROCEDURE OF COUNCIL.

28. The Council may regulate their own procedure, and delegate any of their powers and discretions to any one or more of their body, and may determine their own quorum: if no other number is prescribed, three members of Council shall form a quorum.

29. The Council shall manage the property, proceedings, and affairs of the Institution, in accordance with the By-laws from time to time in force.

30. The Treasurer may, with the consent of the Council, invest in the name of the Institution any moneys not immediately required for the purposes of the Institution in or upon any of the following investments (that is to say) :—

- (A) The Public Funds, or Government Stocks of the United Kingdom, or of any Foreign or Colonial Government guaranteed by the Government of the United Kingdom.
- (B) Real or Leasehold Securities, or in the purchase of real or leasehold properties in Great Britain or Ireland.
- (C) Debentures, Debenture Stock, or Guaranteed or Preference Stock, of any Company incorporated by special Act of Parliament, the ordinary Shareholders whereof shall at the time of such investment be in actual receipt of half-yearly or yearly dividends.
- (D) Stocks, Shares, Debentures, or Debenture Stock of any Railway, Canal, or other Company, the undertaking whereof is leased to any Railway Company at a fixed or fixed minimum rent.

- (e) Stocks, Shares, or Debentures of any East Indian Railway or other Company, which shall receive a contribution from His Majesty's East Indian Government of a fixed annual percentage on their capital, or be guaranteed a fixed annual dividend by the same Government.
- (f) The security of rates levied by any corporate body empowered to borrow money on the security of rates, where such borrowing has been duly authorised by Act of Parliament.

31. The Council may, with the authority of a resolution of the Members and Associate Members in General Meeting, borrow moneys for the purposes of the Institution on the security of the property of the Institution, or otherwise at their discretion.

32. No act done by the Council, whether *ultra vires* or not, which shall receive the express or implied sanction of the Members and Associate Members in General Meeting, shall be afterwards impeached by any member of the Institution on any ground whatsoever, but shall be deemed to be an act of the Institution.

NOTICES.

33. A notice may be served by the Council upon any Member, Associate Member, Graduate, Associate, or Honorary Life Member, either personally or by sending it through the post in a prepaid letter addressed to him at his registered place of abode.

34. Any notice, if served by post, shall be deemed to have been served at the time when the letter containing the same would be delivered in the ordinary course of the post; and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put into the post office.

35. No Member, Associate Member, Graduate, Associate, or Honorary Life Member, not having a registered address within the United Kingdom, shall be entitled to any notice; and all proceedings may be had and taken without notice to such member, in the same manner as if he had had due notice.

By-laws.

(Last Revision, February 1894.)

MEMBERSHIP.

1. Candidates for admission as Members must be persons not under twenty-five years of age, who, having occupied during a sufficient period a responsible position in connection with the practice or science of Engineering, may be considered by the Council to be qualified for election.

2. Candidates for admission as Associate Members must be persons not under twenty-five years of age, who, being engaged in such work as is connected with the practice or science of Engineering, may be considered by the Council to be qualified for election, though not yet to occupy positions of sufficient responsibility, or otherwise not yet to be eligible, for admission as Members. They may afterwards be transferred at the discretion of the Council to the class of Members.

3. Candidates for admission as Graduates must be persons holding subordinate situations, and not under eighteen years of age. They must furnish evidence of training in the principles as well as in the practice of Engineering. Before attaining the age of twenty-six years, those elected after 1892 must apply for election as Members, Associate Members, or Associates, if they desire to remain connected with the Institution; they may not continue Graduates after attaining the age of twenty-six.

4. Candidates for admission as Associates must be persons not under twenty-five years of age, who from their scientific attainments or position in society may be considered eligible by the Council. They may afterwards be transferred at the discretion of the Council to the class of Associate Members or of Members.

5. The Council shall have the power to nominate as Honorary Life Members persons of eminent scientific acquirements, who in their opinion are eligible for that position.

6. The Members, Associate Members, Graduates, Associates, and Honorary Life Members shall have notice of and the privilege to attend all Meetings; but Members and Associate Members only shall be entitled to vote thereat.

7. The abbreviated distinctive Titles for indicating the connection with the Institution of Members, Associate Members, Graduates, Associates, or Honorary Life Members thereof, shall be the following:—for Members, M. I. Mech. E.; for Associate Members, A. M. I. Mech. E.; for Graduates, G. I. Mech. E.; for Associates, A. I. Mech. E.; for Honorary Life Members, Hon. M. I. Mech. E.

8. Subject to such regulations as the Council may from time to time prescribe, any Member, Associate Member, or Associate may upon application to the Secretary obtain a Certificate of his membership or other connection with the Institution. Every such certificate shall remain the property of, and shall on demand be returned to, the Institution.

ENTRANCE FEES AND SUBSCRIPTIONS.

9. Each Member shall pay an Annual Subscription of £3, and on election an Entrance Fee of £2.

10. Each Associate Member shall pay an Annual Subscription of £2 10s., and on election an Entrance Fee of £1. If afterwards transferred by the Council to the class of Members, he shall pay on transference 10s. additional subscription for the current year, and £1 additional entrance fee.

11. Each Graduate shall pay an Annual Subscription of £1 10s., but no Entrance Fee. Any Graduate elected prior to 1893, if transferred by the Council to the class of Associate Members, shall pay on transference £1 additional subscription for the current year, but no additional entrance fee; if transferred direct to the class of Members, he shall pay on transference £1 10s. additional subscription for the current year, and £1 additional entrance fee.

12. Each Associate shall pay an Annual Subscription of £2 10s., and on election an Entrance Fee of £1. If afterwards transferred by the Council to the class of Associate Members, he shall pay on transference no additional subscription or entrance fee. If transferred direct to the class of Members, he shall pay on transference 10s. additional subscription for the current year, and £1 additional entrance fee; except Associates elected prior to 1893, who shall pay no additional entrance fee on transference.

13. All subscriptions shall be payable in advance, and shall become due on the 1st day of January in each year; and the first subscription of Members, Associate Members, Graduates, and Associates, shall date from the 1st day of January in the year of their election.

14. In the case of Members, Associate Members, Graduates, or Associates, elected in the last three months of any year, the first subscription shall cover both the year of election and the succeeding year.

15. Any Member, Associate Member, or Associate, whose subscription is not in arrear, may at any time compound for his subscription for the current and all future years by the payment of Fifty Pounds, if paid in any one of the first five years of his membership. If paid subsequently, the sum of Fifty Pounds shall be reduced by One Pound per annum for every year of membership after five years. All compositions shall be deemed to be capital moneys of the Institution.

16. The Council may at their discretion reduce or remit the annual subscription, or the arrears of annual subscription, of any Member or Associate Member who shall have been a subscribing member of the Institution for twenty years, and shall have become unable to continue the annual subscription provided by these By-laws.

17. No Proceedings or Ballot Lists or Certificates shall be sent to Members, Associate Members, Graduates, or Associates, who are in

arrear with their subscriptions more than twelve months, and whose subscriptions have not been remitted by the Council as hereinbefore provided.

ELECTION OF MEMBERS, ASSOCIATE MEMBERS, GRADUATES, AND ASSOCIATES.

18. A recommendation for admission according to Form A or B in the Appendix shall be forwarded to the Secretary, and by him be laid before the next Meeting of the Council. The recommendation must be signed by not less than five Members or Associate Members if the application be for admission as a Member or Associate Member or Associate, and by three Members or Associate Members if it be for a Graduate.

19. All elections shall take place by ballot, four-fifths of the votes given being necessary for election.

20. All applications for admission shall be communicated by the Secretary to the Council for their approval previous to being inserted in the ballot list for election, and the approved ballot list shall be signed by the President and forwarded to the Members and Associate Members. The name of any Candidate approved by the Council for admission as an Associate Member or an Associate shall not be inserted in the ballot list until he has signed the Form C in the Appendix. The ballot list shall specify the name, occupation, and address of the Candidates, and also by whom proposed and seconded. The lists shall be opened only in the presence of the Council on the day of election, by a Committee to be appointed for that purpose.

21. The Elections shall take place at the General Meetings only.

22. When the proposed Candidate is elected, the Secretary shall give him notice thereof according to Form D; but his name shall not be added to the register of the Institution until he shall have paid his Entrance Fee and first Annual Subscription, and signed the Form E in the Appendix.

23. In case of non-election, no mention thereof shall be made in the Minutes, nor any notice given to the unsuccessful Candidate.

24. An Associate Member desirous of being transferred to the class of Members, or an Associate to the class of Associate Members or of Members, shall forward to the Secretary a recommendation according to Form F in the Appendix, signed by not less than five Members or Associate Members, which shall be laid before the next meeting of Council for their approval. On their approval being given, the Secretary shall notify the same to the Candidate according to Form G; but his name shall not be added to the list of Members or Associate Members until he shall have signed the Form H, and shall have paid the additional entrance fee (if any), and the additional subscription (if any) for the current year.

ELECTION OF PRESIDENT, VICE-PRESIDENTS, AND MEMBERS OF COUNCIL.

25. Candidates shall be put in nomination at the General Meeting preceding the Annual General Meeting, when the Council are to present a list of their retiring Members who offer themselves for re-election; any Member or Associate Member shall then be entitled to add to the list of Candidates. The ballot list of the proposed names shall be forwarded to the Members and Associate Members. The ballot lists shall be opened only in the presence of the Council on the day of election, by a Committee to be appointed for that purpose.

APPOINTMENT AND DUTIES OF OFFICERS.

26. The Treasurer shall be a Banker, and shall hold the uninvested funds of the Institution, except the moneys in the hands of the Secretary for current expenses. He shall be appointed by the Members and Associate Members at a General or Special Meeting, and shall hold office at the pleasure of the Council.

27. The Secretary of the Institution shall be appointed, as and when a vacancy occurs, by the Members and Associate Members at a General or Special Meeting, and shall be removable by the Council upon six months' notice from any day. The Secretary shall give the same notice. The Secretary shall devote the whole of his time to the work of the Institution, and shall not engage in any other business or profession.

28. It shall be the duty of the Secretary, under the direction of the Council, to conduct the correspondence of the Institution ; to attend all meetings of the Institution, and of the Council, and of Committees ; to take minutes of the proceedings of such meetings ; to read the minutes of the preceding meetings, and all communications that he may be ordered to read ; to superintend the publication of such papers as the Council may direct ; to have the charge of the library ; to direct the collection of the subscriptions, and the preparation of the account of expenditure of the funds ; and to present all accounts to the Council for inspection and approval. He shall also engage (subject to the approval of the Council) and be responsible for all persons employed under him, and set them their portions of work and duties. He shall conduct the ordinary business of the Institution, in accordance with the Articles and By-laws and the directions of the President and Council ; and shall refer to the President in any matters of difficulty or importance, requiring immediate decision.

MISCELLANEOUS.

29. All Papers shall be submitted to the Council for approval, and after their approval shall be read by the Secretary at the General Meetings, or by the Author with the consent of the Council ; or, if so directed by the Council, shall be printed in the Proceedings without having been read at a General Meeting.

30. All books, drawings, communications, &c., shall be accessible to the members of the Institution at all reasonable times.

31. All communications to the Meetings shall be the property of the Institution, and be published only by the authority of the Council.

32. None of the property of the Institution—books, drawings, &c.—shall be taken out of the premises of the Institution without the consent of the Council.

33. All donations to the Institution shall be enumerated in the Annual Report of the Council presented to the Annual General Meeting.

34. The General Meetings shall be conducted as far as practicable in the following order:—

1st. The Chair to be taken at such hour as the Council may direct from time to time.

2nd. The Minutes of the previous Meeting to be read by the Secretary, and, after being approved as correct, to be signed by the Chairman.

3rd. The Ballot Lists, previously opened by the Council, to be presented to the Meeting, and the new Members, Associate Members, Graduates, and Associates elected to be announced.

4th. Papers approved by the Council to be read by the Secretary, or by the Author with the consent of the Council.

35. Each Member or Associate Member shall have the privilege of introducing one friend to any of the Meetings; but, during such portion of any meeting as may be devoted to any business connected with the management of the Institution, visitors shall be requested by the Chairman to withdraw, if any Member or Associate Member asks that this shall be done.

36. Every Member, Associate Member, Graduate, Associate, or Visitor, shall write his name and residence in a book to be kept for the purpose, on entering each Meeting.

37. The President shall *ex officio* be member of all Committees of Council.

38. Seven clear days' notice at least shall be given of every meeting of the Council. Such notice shall specify generally the business to be transacted by the meeting. No business involving the expenditure of the funds of the Institution (except by way of payment of current salaries and accounts) shall be transacted at any Council meeting unless specified in the notice convening the meeting.

39. The Council shall present the yearly accounts to the Annual General Meeting, after being audited by a professional accountant, who shall be appointed annually by the Members and Associate Members at a General or a Special Meeting, at a remuneration to be then fixed by the Members and Associate Members.

40. Any member wishing to have a copy of the Papers sent to him for consideration beforehand can do so by sending in his name once in each year to the Secretary; and a copy of all Papers shall then be forwarded to him as early as possible prior to the date of the Meeting at which they are intended to be read.

41. At any Meeting of the Institution any member shall be at liberty to re-open the discussion upon any Paper which has been read or discussed at the preceding Meeting; provided that he signifies his intention to the Secretary at least one month previously to the Meeting, and that the Council decide to include it in the notice of the Meeting as part of the business to be transacted.

APPENDIX.

FORM A.

Mr. being years of age, and desirous of admission into The Institution of Mechanical Engineers, we, the undersigned proposer and seconder from our personal knowledge, and the three other signers from trustworthy information, propose and recommend him as a proper person to belong to the Institution.

Witness our hands, this day of **Members or Associate Members**

FORM B.

Mr. born on being desirous
of admission into The Institution of Mechanical Engineers, we, the
undersigned proposer and seconder from our personal knowledge, and
the other signer or signers from trustworthy information, propose and
recommend him as a proper person to become a Graduate thereof.

Witness our hands, this day of Members or Associate Members.

FORM C.

If elected an _____ of The Institution of Mechanical Engineers, I, the undersigned, do hereby engage to ratify my election by signing the form of agreement (E) and paying the Entrance Fee and Annual Subscription in conformity with the By-laws.

Witness my hand, this day of

FORM D.

Sir,—I have to inform you that on the you
were elected a of The Institution of Mechanical Engineers.
For the ratification of your election in conformity with the rules, it is
requisite that the enclosed form be returned to me with your signature, and
that your Entrance Fee and first Annual Subscription be paid, the amounts
of which are and respectively. If these be not received
within two months from the present date, the election will become void.

I am, Sir, Your obedient servant,
Secretary.

FORM E.

I, the undersigned, being elected a _____ of The Institution of Mechanical Engineers, do hereby agree that I will be governed by the regulations of the said Institution, as they are now formed or as they may hereafter be altered; that I will advance the objects of the Institution as far as shall be in my power, and will attend the Meetings thereof as often as I conveniently can: provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing from the Institution, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

Witness my hand, this _____ day of

FORM F.

Mr. _____ being _____ years of age, and desirous of being transferred into the class of _____ of The Institution of Mechanical Engineers, we, the undersigned, from our personal knowledge recommend him as a proper person to be so transferred by the Council.

Witness our hands, this _____ day of

Members or Associate Members.

FORM G.

Sir,—I have to inform you that the Council have approved of your being transferred to the class of _____ of The Institution of Mechanical Engineers. For the ratification of your transference in conformity with the rules, it is requisite that the enclosed form be returned to me with your signature, and that your additional Entrance Fee and additional Annual Subscription for the current year be paid, the amounts of which are and _____ respectively. If these be not received within two months from the present date, the transference will become void.

I am, Sir, Your obedient servant,

Secretary.

FORM H.

I, the undersigned, having been transferred to the class of _____ of The Institution of Mechanical Engineers, do hereby agree that I will be governed by the regulations of the said Institution, as they now exist, or as they may hereafter be altered; that I will advance the objects of the Institution as far as shall be in my power, and will attend the Meetings thereof as often as I conveniently can: provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing from the Institution, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

Witness my hand, this _____ day of

